HEMIST and DRUGGIST APRIL 10, 1943

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

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3296 CXXXIX APRIL 10, 1943 Annual Subscription (with Diary) 25/-. Single Copies 9d.

A note on the Sulphonamides
with special reference to
'THIAZAMIDE' BRAND
TRADE MARK
sulphathiazole

The **sulphonamides** now in common use include **sulphanilamide,** for the treatment of haemolytic streptococcal infections; **sulphapyridine,** for the treatment of pneumococcal, gonococcal and meningococcal infections and only available in this country under the brand name 'M & B 693'; and now Pharmaceutical Specialities (May & Baker) Limited have made available **sulphathiazole,** under the brand name of 'Thiazamide,' this product being for the treatment of those indications covered by sulphapyridine and, in addition, particularly for the treatment of staphylococcal infections. It has been found that in a number of patients sulphathiazole is better tolerated than is sulphapyridine.

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Our Medical Information Department will be glad to supply you with further details

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Index to Advertisers pp. 5 & 6

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Accles & Shelvoke, Ltd. 13
Acton Pill & Tablet Co., Ltd. viii
Aimer, G. C., & Co., Ltd. 22
Allen, Stafford, & Sons, Ltd. 17
Anderson & Reeves, Ltd. 11
Anglo-French Drug Co., Ltd. vii
Aristol Products xvi
Barnett & Foster, Ltd. xi
Beall, H. xvi
Bear Honey Co., Ltd. xi
Bell, John, Hills & Lucas, Ltd. ..... Leader Page
Berton, Arthur, Ltd. 10
Blackwell, Hayes & Co., Ltd. iv
Blyton, Astley & Co., Ltd. 22
Boake Roberts, A., & Co., Ltd. ..... Leader Page
Borys Beauty Products, Ltd. ..... xii, xvi
Brady & Martin, Ltd. ii
Briccas, Ltd. 10
British Drug Houses, Ltd., The i
British Felsol Co., Ltd. ..... Cover iv
Brook, Parker & Co., Ltd. vii
Brooks & Warburton, Ltd. xiv
Burge, Warren & Ridgley, Ltd. 24
Burrough, James, Ltd. ..... Leader Page
Burroughs Wellcome & Co. 25
Carillon Press, Ltd. 13
Carter, H. W., & Co., Ltd. 4
Cartwright, W. B., Ltd. 6
Cephos, Ltd. 5
Clemo Manfg. Co., Ltd. 22
Container Reclamation Co., Ltd. 12
Cooper Laboratory, Ltd. 14
Cooper, Son & Co., Ltd. 22
Cox, Arthur H., & Co., Ltd. 8
Creighton (Agencies) Co. xvi
Crookes Laboratories (British Colloids, Ltd.) 3
(*continued overleaf*)

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P.A.T.A

INDEX—(contd.)

D.D.D. Co., Ltd. ... xi
Dales Aspirin Co. ... 13
Daniel, Richard, & Son, Ltd. ... 13
Davenport, J. T., Ltd. ... xv
Denuth, R., Ltd. ... 24
Dominion Steel Corporation, Ltd. ... 8
Economic Utilities, Ltd. ... viii
Emmet Distributing Co., Ltd. ... 12
Evans, Gadd & Co., Ltd. ... iv
Everett, S. & R. J., & Co., Ltd. ... 14
Fennings, A. ... ix
Ferris & Co., Ltd. ... vii
Fink, F., & Co. ... 22
Freudentheil, Smith & Co. ... ii
Fryer & Co. (Nelson), Ltd. ... Leader Page
Gale, Baiss & Co., Ltd. ... vi
Geigy Pharmaceutical Co., Ltd. ... ii
Genatosan, Ltd. ... viii
Glaxo Laboratories, Ltd. ... 1
Goodman, J., (Chemicals), Ltd. ... xvi
Hair, Dr., Asthma Cure, Ltd. ... xii
Harrington's ... xvi
Harwoods Laboratories, Ltd. ... 5
Henshaw, J. L. ... xvi
Heward, R. H., Co. ... 14
Hobson, Trimble & Co., Ltd. ... 14
Howard Lloyd & Co., Ltd. ... iv
Hygienic Products ... xvi
International Laboratories, Ltd. ... xiv
Jeffreys, Miller & Co., Ltd. ... vii
Johnson & Sons, Manufacturing Chemists, Ltd. ... iii
Kellys, J., (London), Ltd. ... v
Kemball, Bishop & Co., Ltd. ... 20
Kerfoot, T., & Co., Ltd. ... 26
Knox, John, (Stoke-on-Trent), Ltd. ... 24
Lang, Jules & Son ... 12
Lax & Shaw, Ltd. ... 19
Lennard Lee-Narvill & Co. ... 10
Lennon, Ltd. ... v
Lofthouse & Saltmer, Ltd. ... vi
Macleans, Ltd. ... 16
Manesty Machines, Ltd. ... 21
Marlene Products ... xvi
Marns, T., Ltd. ...
Matthews Laboratories, Ltd. ... Leade
Monsanto Chemicals, Ltd. ... Co
Napp, H. R., Ltd. ... 22, Leade
National Association of Opticians ...
National Glass Works (York), Ltd. ...
Newball & Mason, Ltd. ...
Numol, Ltd. ...
Oxo, Ltd. ...
Palestine Potash, Ltd. ...
Peat Products (Sphagnol), Ltd. ...
Pharmaceutical Manufacturing Co., Ltd. ...
Pharmaceutical Specialities (May & Baker), Lt Front
Phosferine (Ashton & Parsons), Ltd. ...
Pifco, Ltd. ...
Potter & Clarke, Ltd. ...
Prideaux's, Ltd. ...
Prunol Proprietaries, Ltd. ...
Pure Chemical Products, Ltd. ...
Pure Products, Ltd. ... Leade
Rawstron, F. ...
Reckitt & Sons, Ltd. ...
Rendell, W. J., Ltd. ...
Richter, Gedeon, (Great Britain), Ltd. ...
Roney & Co., Ltd. ...
Rose, J. L. ...
Samona, Ltd. ...
Sandoz Products ...
Savory & Moore, Ltd. ... Leade
Selka, Ltd. ... Co
Sessions, W., Ltd. ...
Slip Products, Co., Ltd. ...
Splendor, Ltd. ... 22, 24,
Sumner, R., & Co., Ltd. ...
Surgical Hosiery Co., Ltd. ...
Tonicity Laboratories, Ltd. ...
Tyne Truck & Trolley Co., Ltd. ... Leade
Ward, T., & Sons, Ltd. ...
Watford Chemical Co., Ltd. ...
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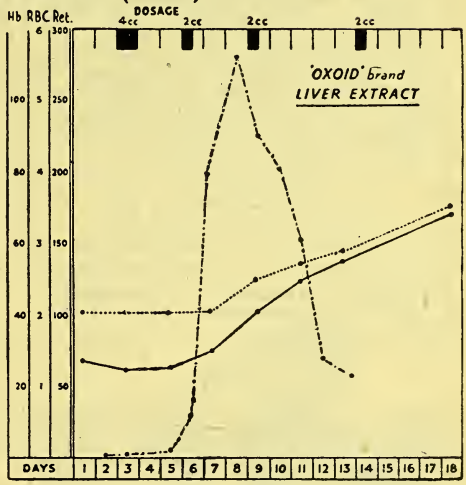

KEY TO GRAPH.

..... *Haemoglobin per cent.*
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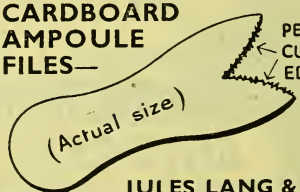

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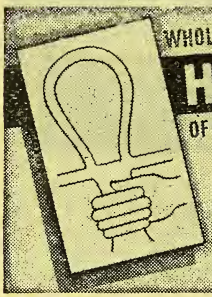

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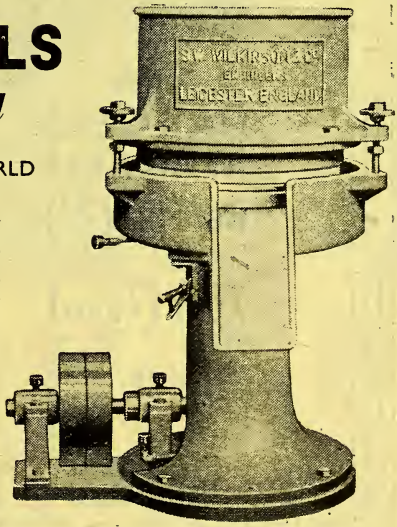

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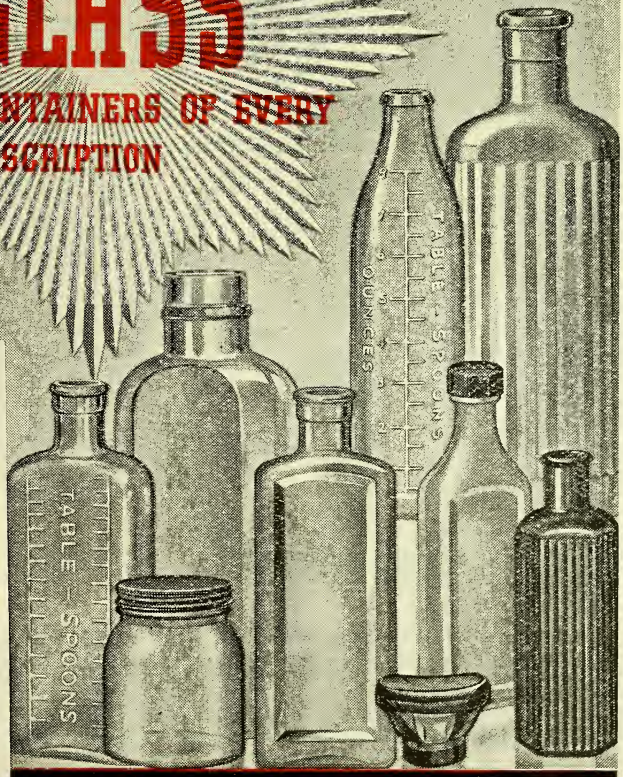

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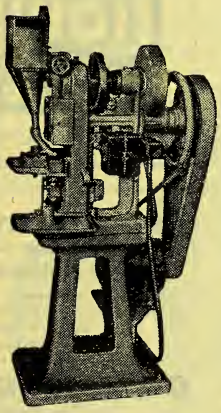

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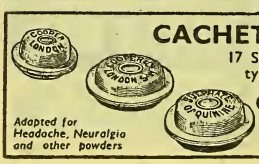

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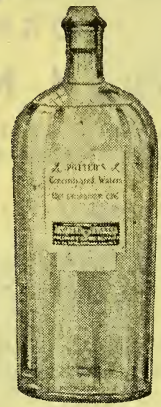

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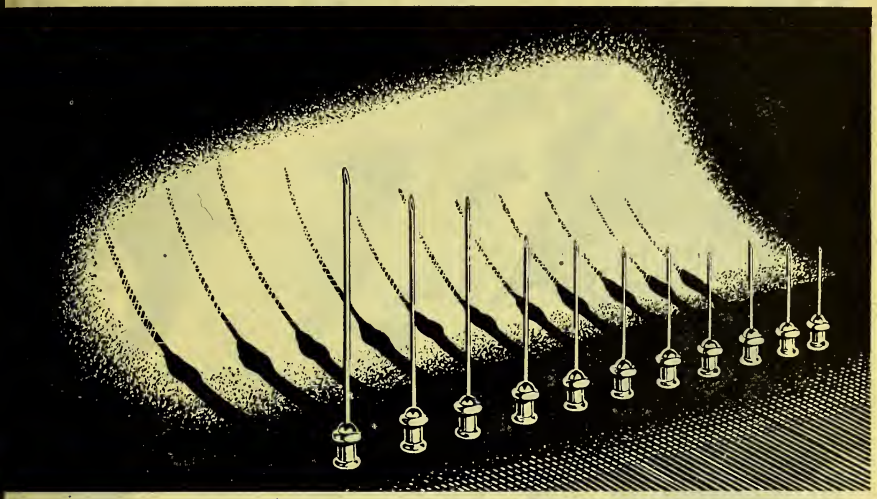

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CONTENTS

	Page
irmingham Discusses Employees	381
irths	373
ooks, New	388
anadian Notes	366
oming Events	370
ompany News	369
eaths	373
ditorial Articles:—	
Enforcing the Pharmacy Act	375
Work of the War Damage Commission	376
rgot—A Qualitative Chemical Test	382
ısurance Act Dispensing	378
egal Reports	368
arriages	373
Medical Abstracts	377
National Pharmaceutical Union	371
News of the Week	363
North and West African Vegetable Oils	383
Parliamentary News	369
Personalities	373
Pharmaceutical Society of Great Britain:—	
North British Executive	372
Tees-side Meetings of Employees and Pharmacists	379
Topical Reflections	367
Trade Marks	388
Trade Notes	370
Trade Report	384

NEWS OF THE WEEK

:xport Licensing Extension.—Under the ɔort of Goods (Control) (No. 4) Order, 3 (S. R. & O., 1943, No. 455, price one ıny), operative from April 19, licences required to export butane, mixtures taining butane, and quillaia, as well as :, steatite, soapstone and mixtures coning wholly or mainly thereof.

:osmetic Association Meeting.—The first ıual meeting of the Cosmetic and Toilet parations Association of Great Britain ; held in London on March 31. The irman (Mr. F. L. Blackwell) stated that Association was in process of being istered as a limited liability company hout share capital. He was indebted to A. T. Aspin (honorary secretary), Mrs. G. Warhurst (secretary) and the committ- for their services. Mr. Blackwell ɔunted the activities of the Association ing the year, and said the policy of the ociation was to co-operate with the ırd of Trade in matters considered necessary to help the war effort. Mr. A. Crawford, K.C. (honorary adviser) addressed the meeting, which also considered a letter from the Board of Trade on problems likely to be encountered by the industry in the immediate post-war period.

Chemicals for Sabotage.—Chemists in retail business received a confidential printed memorandum in January 1942, issued by the Home Office and delivered by the police, on this subject. Those who have not had a recent visit from the authorities on this matter may expect one in the near future.

Distilled Water.—Many chemists are finding it difficult to obtain distilled water from their usual suppliers owing to transport difficulties, but instead of applying to the Board of Trade for licences to acquire stills of their own, the "have-not" chemists are asked to make use of the facilities offered them by neighbouring "haves."

Planning Committee's Investigations.—It is hoped to publish in next week's issue the first letters expressing opinion on the list of questions to members issued by the Planning Committee of the Pharmaceutical Society of Great Britain (*C. & D.*, April 3, p. 344). Letters for publication from pharmacists on these important matters are invited.

Post-war Reconstruction.—A communication from the Board of Trade addressed to the Toilet Preparations Section of the London Chamber of Commerce, the Cosmetic and Toilet Preparations Association of Great Britain, and the National Pharmaceutical Union, calls for a report on post-war reconstruction of the cosmetic and toilet preparations industry.

Pharmaceutical Corps.—Training classes for Corps personnel will shortly commence in the following hospitals; early application is advised: Hospital for Women, Soho Square, London, W.1; Royal Northern Hospital, London; North Middlesex Hospital; Oster House Hospital, St. Albans; Royal National Orthopædic Hospital Stanmore; and Croydon General Hospital (commencing April 30). If sufficient inquiries are received classes will also be held at Kingston County Hospital and West London Hospital, Hammersmith.

Paper Control.—Under the Control of Paper (No. 8) Order, the distribution of certain types of advertising matter is prohibited unless a prior charge of not less than 1d. is made. Many firms which were in the habit of distributing free advertising matter made wholly or mainly of paper or paper board, e.g. diaries and calendars, falling within the Schedule to the Location of Retail Businesses Order, may now require a licence under that Order before they may sell them. In order to save time and paper, a General Licence has been issued which permits firms to sell such articles at a price not exceeding 1d. without the necessity of applying for an individual licence, provided that they distributed them free during the period September 1, 1939, to August 31, 1940. The restriction to one penny of the price at which such articles may be sold without applying for a licence is intended to ensure that they are being supplied for advertising purposes and not with the intention of carrying on a retail business in books or stationery.

The size of cheques and headed notepaper is limited by the Control of Paper (No. 59) Order, 1943, which came into force on March 22. Certain other restrictions are also imposed. The principal provisions the Order are as follows: The maxim size of most cheques is to be 6 in. × 3 and the substance of the paper which may used is prescribed. No headed letter pa for trade, commercial or professional may exceed 57 sq. in., or be of a substa greater than that set out in the Ord Dividend warrants and tax deduction for may not exceed 23 sq. in. separately 42 sq. in. together.

"Utility" Scripts in Scotland.—The w time National Health prescription for without duplicates (see *C. & D.*, Februa 6, p. 146) have made their appearance Scotland. A correspondent writes: "It obvious that unless copies are made by chemist he cannot check the paymen and very few chemists would have the ti under present conditions to do this, so t they must depend on the accuracy of pricing at the checking bureau."

Chemists' Friends Association.—A me ing of the council of the Chemists' Frien Association was held in London on Ma 17, the vice-president (Mr. F. J. Smith) the chair. The chairman of the standa committee presented an interim report up the committee's review of the existi C.F. list, and announced the deferme of a formal report until the revi was complete. An application by C Ma-Vite Laboratories, Ltd., for the clusion of their name in the C.F. list manufacturers was accepted. It was agre to add Zac cream, Ferute and Radioint the schedule of the agreement with Hou Hoseason & Co., Ltd., Manchester; ad tion of two other products was referr back for further negotiation. A suggesti that the title of the Association should changed to "The C.F. Products Associ tion," was referred to the next annu meeting of manufacturers for consideratio it was resolved that the words "Chemis Formula" should be incorporated into t C.F. symbol. A request was submitted the Ulster Chemists' Association that C.F. manufacturer's agreement should renewed after expiry of the first seven yea period unless it included Northern Irela in its obligations. The Council resolved do its utmost to persuade all manufacture to include Northern Ireland in their agre ments, but would not make this a conditi of renewal. A suggestion from Northe Ireland that some concession should made to small manufacturers by way of reduced membership subscription was al considered but was deemed impracticabl

ee manufacturers expressed willingness accept return of their deposit and me subscribing members of the ociation. The council also decided to rn the deposit to three other manu-urers whose agreement had run for full seven years and to ask them to tinue membership of the Association a subscription basis. Of fifteen applica-s for maintenance of supply of C.F. ducts to businesses temporarily con-ed into drug-stores owing to war litions fourteen were accepted, the enth was refused.

ummer Embargo on Central Heating.—Minister of Fuel and Power has, under Control of Fuel (No. 3) Order, 1942, ed a General Direction (Central Heating Hot-water Plants) No. 1 (S. R. & O., 3, No. 451). Under the Direction shops, es and other buildings not used wholly mainly for industrial purposes (except itutions for the sick, infirm or aged, certain other premises), may consume fuel between April 17 and October 31 England and Wales; between May 8 October 31 in Scotland, in any central nt except under written permit from Minister or from the Regional Controller the area in which the premises are ated.

omerset Analyst's Report.—In his report his work during the year 1942 the nerset County Analyst records the mination of eighty-eight drug samples, which three were found adulterated. o adulterated samples were found among samples of food substitutes taken.

ong-service Presentations.—Presenta-ns were made on March 26 to Messrs. seph Pelter and John Cooper, each with y-five years' service at the Victory-V orks, Nelson, of Fryer & Co. (Nelson), l. The average length of service of em-yees is twenty-seven years.

Nottingham Brains Trust.—A pharma-tical "brains trust" which answered estions put by members of the Notting-n Branch of the Pharmaceutical Society, ently, said "Yes" to the question, Pharmacy Worth While?" Many er questions were answered in the same fident spirit. The panel of experts nprised Messrs. W. H. Allder (secretary, ttingham Insurance Committee); B. A. ll (a director, Boots, Ltd.); R. H. Evans ottingham Co-operative Society, Ltd.); W. Shepherd (chairman, Nottingham r Emergency Committee); Miss M. A. rr (a pharmacist in retail business); and G. E. Trease (University College), who acted as question master.

Cardiff's Solid Support for Distress Fund.—The secretary of the Cardiff Pharmaceutical Committee (Mr. Alec S. Johnson) reports that 100 per cent. of pharmacists on the Cardiff Panel have agreed to the deduction of one penny in the £1 from their monthly National Health Insurance accounts towards the National Pharmaceutical Union War Distress Fund. This amounts to over £6 per month from the area.

Plymouth Branch Officers.—At the annual meeting of the Plymouth Branch of the Pharmaceutical Society recently, Mr. R. W. Eustace was elected *Chairman*, Mr. A. G. Madge *Secretary*, and Mr. E. Burrow *Treasurer*. Mr. O. H. Attewell was elected *Auditor* following the death of Mr. W. Spear. It was resolved that a copy of the "Rules of professional conduct" should be sent to each member, together with the eight proposed additional rules, comment being invited on these.

Aberdeen Pharmaceutical Association.—Office-bearers of the Association for the year have been elected as follows: *President*, Mr. Adam A. Meldrum (a member of the Council of the Pharmaceutical Society); *Vice-president*, Mr. Hugh Hughson; *Treasurer*, Mr. James S. Gill; *Secretary*, Mr. Robert J. Cowie, 14 Bridge Street, Aberdeen; *Auditor*, Mr. G. L. S. Spence; *Executive*, Messrs. W. F. Hay and M. K. Watt, and the officers.

Glasgow Branch Annual Report.—In a review of the year's work presented at the annual meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society held on April 7, reference was made to a decrease of seventeen in the branch membership. During the year the branch suffered the loss of Messrs. W. C. Ferguson, J. A. Wilson, G. C. Adams, S. Wylie, W. J. Campbell, M. Young, J. R. T. Leckie, W. N. Stewart, A. M. Gardner, A. W. Hendry, A. B. Paterson, D. M'Nicol, J. Grant, A. W. Ballingall, T. H. Stewart (on active service). Membership now stood at 1,284. The amount subscribed by the Branch to the Society's Benevolent Fund was £154, the average per member being 2s. 5d., against 1s. 11d. the previous year. Mr. Carey had won the Kinninmont prize and Mr. J. M. McLean, Rothesay, the McMillan Memorial medal. A Christmas gift had been sent to ninety-eight members of the Branch serving in H.M. Forces.

CANADIAN NOTES

Canadian Pharmacist Prisoners.—The names of two Canadian pharmacists who have been taken prisoners of war by the enemy have been forwarded to the secretary of the Pharmaceutical Society (of Great Britain). The two men will receive from the Society the same parcels as are sent to British pharmacist prisoners.

Drug Standard Duplicates Deposited in Canada.—Samples of drugs conforming to the standards of the Medical Research Council of Great Britain, together with full particulars of their use, have been shipped from England in two separate but identical assignments, and are now held in cold storage in Ottawa, it was revealed recently. Both sets of samples arrived safely and will be returned to the Medical Research Council after the war.

Questionnaire on Canadian N.H.I. Terms.—A letter has been sent to officials of pharmacy organisations throughout Canada by the chairman of the Canadian Pharmaceutical Association asking for their views on the question whether payment for chemists' services under a Canadian health insurance scheme should be on the basis of

1. Prescription-pricing charts at present in use in Alberta and Saskatchewan.
2. A formulary to be drawn up by suitable compilers.
3. "Half" insurance (patient to pay half the fee; the scheme to pay the other half).

Army Pharmacists' Status.—"Pharmacists in the U.S. Army, even those who have taken the regular ninety-day instruction course in pharmacy, are complaining of the treatment they receive," writes the Editor of the "Canadian Pharmaceutical Journal" (January 15). "One, on completion of his course, was immediately sent out as a truck driver. Comparing this with the treatment generally accorded pharmacists in the Canadian army, and the reports that reach us each week of promotions, we believe that on the whole Canadian members are getting fair recognition. We realise, of course, that all do not receive the position or rank they expected on joining up, but it must be remembered that they cannot be appointed dispensers until a vacancy occurs."

Canadian Cod Liver Oil.—After initial difficulties the cod liver oil industry of Canada is now well organised and productive. The east coast refining concerns are now united into the Atlantic Cod Liver Oil Association, comprising fifteen concerns an operating five refining plants. Credit fc getting the industry under way goes t Mrs. Turner (Oils Administrator), whos pioneer work was referred to in the *C. & D* 1942, I, 191. The fishermen, who had alway been accustomed to throwing the livers int a barrel and letting them rot in the sur selling the oil for industrial uses, had firs to be educated. They were taken throug the plants and given every encouragemen to learn more about the industry. It ha been found that grey cod, the most commo variety of cod found in the north Atlanti waters, produces a cod liver oil which i remarkably rich in vitamin A, bearin between 2,500 and 3,000 units per standar quantity. The U.S.P. standard for vitami A content is 850 units. For vitamin D th required minimum is 85 units, and Canadia cod liver oil shows an average well ove this figure.

Simplification of Drug Packings.—I future medicine chests in Canada wil contain a smaller assortment of package than they did before the war. The admin istrator of pharmaceutical products, War time Prices and Trade Board, recentl announced an Order restricting th number of sizes in which household drug products may be put up. The object of th Order is to conserve materials and man-power. Castor oil, hitherto available tc retailers in bottles of from 1 to 16 fl. oz., wil be packed in any two sizes by each manufacturer, the maximum being 8 oz. and the minimum ½ oz. Cod liver oil and milk of magnesia will be available in any two sizes between a maximum of 40 oz. and a minimum of 4 oz. In all, forty-six items are listed in the category of household drug products affected by the Order. Minimum sizes are prescribed for bulk packages, but no restriction is placed upon maximum sizes or number of sizes of bulk parcels. The restrictive Order does not apply to the packaging of any household drug product for anyone buying it for his personal or household use, and not for sale. Thus a retailer may put up any size of bottle or package providing it is disposed of to a consumer. The administrator may permit packaging of drugs in containers of sizes not permitted by the Order, where stocks of such containers were on hand at the effective date of the Order. Such stocks, however, must be sold and removed within six months.

TOPICAL REFLECTIONS

Opportunity

Once more you are rendering pharmacy ervice, this time by inviting expressions views on the seventeen paragraphs issued an indication of the lines along which e Planning Committee of the Pharmatical Society's Council is working p. 344, 353). With the present heavy mands on their time, most members of e Society are unlikely to be able to offer borate criticism; but in this matter, as some others, brevity may be the soul of t. No indication has been given, so far I am aware, of a date for the presentation any of the Committee's findings. It is asonable to expect, however, that some, not all, of them will be available for scussion at this year's conference of anch representatives. The published ragraphs include some stimulating ideas hich, whether they are eventually transted into practice or not, merit full conideration by those concerned. Like many ocuments, pharmaceutical and other, the note" might have been improved by more gorous sub-editing. Paragraphs 7 and 8, r instance, overlap to some extent; the overbial Philadelphia lawyer would be ard put to it to distinguish between the scope and standard of service" of the rmer and the "pharmacy equipment and rvice" of the latter, and to explain why the one case the branch representatives nd the Council should seek to formulate andards and in the other case should evelop standards which, *ex hypothesi*, lready exist.

tate Pharmacy Discussed

Your account of a discussion at Manhester on the advisability of the incorporaion of pharmacists in "a full State medical ervice," with its corollary of the disontinuance of "private pharmaceutical ractice" (p. 346), forms an appropriate endant to the document mentioned in my receding paragraph. In approaching a uestion of this kind it is desirable to be lear at the outset as to the basis of the ival systems: understanding that, we hall better appreciate what they involve. Broadly considered, British public administration starts, as Dr. Wingfield-Stratford insists in "The History of British Civilisation," from the point of view of the ights, not of man in the abstract nor of ny ruler, but of ordinary citizens. The Roman system, with its admitted virtues, was the opposite of this. "For," writes the author mentioned, "the Roman Law is the voice of that iron bureaucracy which had succeeded in imposing peace and uniformity over the only civilised world it knew. It was the voice of Cæsar . . .; it allowed of no variation and no concession to prejudice or local prescription, its grand aim was order, and it took no account of liberty. . . . . that Roman law was unable to take root in our soil is a striking witness to the persistence of that spirit of individualism which England has inherited alike from Saxon and Northman, and which runs like a tough cord throughout our history. She took just as much of Roman science and system as she needed to build up a law peculiarly her own. . . ." This is not to say that changes are ruled out; but, regarded as a whole, changes in British policy have been by way of development—evolutionary, not revolutionary.

By a Large Majority

This conception is "in the bones" of most people of our race who have done any systematic thinking; it is not surprising, therefore, that the speakers in favour of a State medico-pharmaceutical service at the Manchester meeting were outvoted "by a large majority" After remarking that the public like "the friendly atmosphere of the pharmacy," Mr. A. E. Thorpe made the mild statement that the Government "could not offer a better dispensing service than that provided by pharmacists." Surely this is an understatement. As another speaker justly said, the improvement in the health of the nation is due to "the co-operation of science, medicine and pharmacy." The opener of the debate raised the question of how proprietors of drug stores should be dealt with when a fitting opportunity occurs. That matter, though it may be dormant, remains an unsettled problem of some importance. In Northern Ireland, though the conditions there were not an exact parallel to those in Great Britain, the Act of 1925 provided a settlement; one may hope that the resources of statesmanship will ultimately prove equal to a solution on this side of the water. I venture to suggest that such proprietors should be given a life interest, with a title that would include the year of the Act of Parliament under which they were registered: this would help to distinguish them.

Xrayser

LEGAL REPORTS

Alleged Theft of Morphine.—At Kingston County Police Court, on March 29, a woman, Evelyn Smith, was charged with breaking into 3 Broadway Parade, New Malden, and stealing forty phials containing twenty ¼-grain tablets of morphine sulphate (valued at 33s. 4d.), the property of Boots, Ltd. There was an alternative charge of receiving, and after evidence had been given the accused was remanded for a fortnight so that her condition of health could be reported upon.

Orange Citric Flavoured Cordial.—A King's Bench Divisional Court, consisting of Justices Charles, Stable and Hallett, heard an appeal on April 2 upon a case stated by magistrates sitting at Stratford. Appellants were Collins, Arden Products, Ltd., London Wall, London, E.C.

On September 9, 1942, two summonses were heard by the Justices in which appellants, on the information of an inspector under the Food and Drugs Act, 1938, were summoned for selling orange citric flavoured cordial not of the quality and substance demanded and that the label was calculated to mislead. The Justices, by two to one, found the offences proved and imposed a penalty of £20 on each summons.

Mr. Valentine Holmes, for appellants, said the cordial was described as a "pleasant sweetened orange-flavoured drink." On account of sugar being unobtainable appellants, in the manufacture of the cordial, used saccharin as a substitute—which in these days was quite a common practice. Before appellants put the cordial on the market it was analysed by the analyst in the district of their head office. Approval was also sought for the label. The cordial and the label were approved and it was put on the market.

A bottle of the cordial was purchased by an inspector at one of the shops of the United Grocers, Ltd., at Longbridge Road, Barking. It was analysed by the analyst for the Barking area and the proceedings brought on the ground that "cordial" was not a correct description as it contained saccharin and not sugar. The Justices accepted the uncorroborated evidence of the analyst for the Barking area and apeared to ignore the evidence for appellants.

Mr. A. T. Denning, K.C., for respondents, said sugar was the essential foundation of any cordial. If appellants intended manufacturing a substitute they should have obtained a licence to do so.

Giving the judgment of the Court Mr. Justice Charles said appellants were desirous of doing all that was necessary in accordance with the law. They were careful to obtain analyst's reports in the borough where their offices were situated, and the cordial and the label were approved. The magistrates seemed to have acted on the uncorroborated evidence of the public analyst for Barking without considering other aspects of the case. Further, they seemed to have come to an incorrect determination and did not address themselves to the proper matters. There was no evidence on which they could find as they did and the appeal, therefore, would be allowed with costs.

Justices Stable and Hallett concurred.

Pharmacy and Medicines Act Test Case.—At Leeds Police Court, on March 30, the hearing was resumed of an action brought by the Pharmaceutical Society of Great Britain against Peter Summers for selling a medicine at a stall contrary to Section 12 (1) of the Pharmacy and Medicines Act, 1941 (see *C. & D.*, April 3, p. 341). The Stipendiary Magistrate now ruled that the use of a piece of ground, even though defendant had the right to use it for an indefinite period to carry on business from his stall, did not constitute a shop within the meaning of the Shops Act, 1912. He thought it would be an extravagant use of words to say that such a structure was a shop in the ordinary sense of the word, and therefore held that defendant had committed an offence, but the case would be dismissed under the Probation Act on payment of 10s. costs.

At the request of Mr. McLusky, for defendant, the magistrate agreed to state a case. During the final hearing Mr. McLusky had argued that, generally speaking, it was an accepted principle that an ambiguity in an Act of Parliament should be construed in favour of the defendant and in the absence of a clearer definition of "shop" he submitted that it should be interpreted in the widest sense and this stall was therefore a "shop."

Mr. Hargrave contended for the Pharmaceutical Society that there was no authority for defining a street stall as a shop, and he contended that a shop from which a retail business was carried on must be premises and not merely a street position

COMPANY NEWS

OLVENTS RESEARCH CO., LTD. (P.C.).—ital £1,000. Manufacturers of and ers in disinfectants, oils, soaps, toilet isites, etc. Ronald L. Lunt, first direc- R.O.: 141 Vauxhall Road, Liverpool.

. L. MACFARLANE, LTD. (P.C.).—Capital oo. To acquire the business of a nists' supplier carried on by Arthur nox Macfarlane at 5 McLennan Street, sgow. A. L. Macfarlane and David hanan, directors.

DEN CHEMICAL CO., LTD. (P.C.).—ital £1,000. Manufacturers of and ers in chemicals, pharmaceutical pro- ts, dyes, colours, etc. John W. and nie Lees, directors. R.O.: Eden Street rks, Eden Street, Blackburn.

ARMER & CO. (CHEMISTS), LTD. (P.C.). apital £2,000. Chemists, manufacturers and dealers in surgical and hospital liances, etc. Claude A. Hopkins, .S., and Charles J. Hopkins, M.P.S., ctors. R.O.: 106 High Street, Putney, don, S.W.15.

RITISH OXYGEN CO., LTD.—A final dend of 8 per cent., less tax, has been lared on the ordinary stock, making er cent. for the year 1942 (14 per cent. 941).

IONSANTO CHEMICALS, LTD.—Net profit 1942 amounted to £75,748, against ,958 in 1941. Dividend declared on inary shares is 16⅔ per cent., tax free in 1941). £370,424 (against £230,676) is ried forward.

BEECHAMS PILLS, LTD.—Directors have ided, in view of unavoidable delay in paration of report and accounts for r ended March 31, to pay third interim idend of 16 per cent. on deferred shares, king, with two interims already paid, a al of 30 per cent. for the year, against vious year's total of 28½ per cent.

UNITED GLASS BOTTLE MANUFACTURERS, D. — Net profit for the year 1942 ounted to £194,752, compared with 6,317 in the previous year. A final idend of 6 per cent. on the ordinary ck is announced, together with a cash nus of 2½ per cent., bringing the total yments up to 12 per cent. for the year.

LEVER BROS. & UNILEVER, LTD., Lon- n, have acquired control of Frosted Food, d., the British subsidiary of General ods Corporation, New York. The capital being increased from £100,000 to £800,000, and it is understood that Lever interests plan to extend the sale of frozen foods after the war to all points of the world outside the United States.

DELETED FROM REGISTER.—"The London Gazette," April 2, notifies that Asprees Laboratories Co., Ltd., has been struck off the Register of Companies.

Voluntary Liquidation.—CHANNEL PRODUCTS, LTD., manufacturers of medical supplies, 1–3 Whitson Street, Bristol. A meeting of creditors was held recently, when it was reported that the shareholders had previously met and passed the necessary resolution for voluntarily liquidating the company, and had nominated Mr. W. Foulshaw Baker, 30 Great Portland Street, London, W.1, as liquidator. A statement of the company's affairs disclosed liabilities amounting to approximately £1,534. Assets consisted of plant, machinery, tools, and stock-in-trade, estimated to produce £250. The resolution and nomination were confirmed.

PARLIAMENTARY NEWS

Supplies of Mapharside.—The First Lord of the Admiralty informed Dr. Morgan on March 30 that there had been no delay in obtaining supplies of Mapharside for the Navy apart from inevitable organisational delays. Ample supplies of the drug were available.

Cash Payments for Retail Purchases.—The Chancellor of the Exchequer (Sir Kingsley Wood) informed Sir T. Moore on March 30 that he did not regard as practicable a suggested regulation involving payment in cash for all purchases in retail shops up to 20s. value.

Part-time Closing of Shops.—Mr. Hugh Dalton (President of the Board of Trade) told Mr. Duckworth on March 30 that suggestions had been made to him for the part-time closing of shops to release manpower. His Department was in touch with the Ministry of Labour on the matter.

Government's Policy on Small Businesses.—Invited by Lady Apsley on March 30 to make a statement on the Government's policy in closing down or consenting to the closing down of small businesses, the President of the Board of Trade said the arrangements for the call-up were in the hands of the Minister of Labour, but he was prepared to make representations to him if the call-up of a sole owner or manager would affect essential civilian production.

TRADE NOTES

One Size Only.—Matthews Laboratories, Ltd., Bristol, 8, makers of Nostroline nasal remedy, announce that the number of sizes of this preparation has been reduced to one owing to war conditions.

Optabs Parcels.—Optabs, Ltd., 24 Chapel Street, Bradford, point out that in their advertisement in last week's issue (p. ix), the second parcel described should have been "Six doz. 10d., one doz. 3s. 4d. and two only 5s. 6d." sizes, and not as stated.

"Statrilized" Drugs.—The sole manufacturers of Statrilized morphine; M.S.A. (morphine, strychnine and atropine); Norutox, Surfacaine and Sterilocaine self-sterilising anæsthetics and other specialities are the Pharmaceutical Manufacturing Co., Ltd., the Laboratories, Cheltenham, Glos.

Prophyls Instead of Prophics.—Whitley & Co. (Manchester), Ltd., 7 Clyde Road, Manchester, 20, announce that war-time restrictions have necessitated the use of stocks intended originally for overseas markets. Consequently retailers may receive Prophyls instead of Prophics. This involves no change in the quality of the goods, which are accompanied by the makers' guarantee.

Domestic "Buffer" Solution.—A new speciality for protecting the skin against injury and dermatitis in war work and domestic occupations is Slipcleansol. This product, which is manufactured by Slip Products Co., Ltd., Ling House, Dominion Street, London, E.C.2, effectively removes oil, grease, tar, wet paint, etc., from the hands. It is presented in 4-oz. tins and 12-oz. bottles. Showcards are available.

Medical Propaganda.—Literature recently issued by The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, includes leaflets upon Laughlen reagent, B.D.H. (for use in the Laughlen test employed as an exclusion test or as a check against the Kahn or Wassermann tests), and on pheniodol, B.D.H., cholecystographic agent (α-phenyl-β-(4-hydroxy-3:5-diiodophenyl) propionic acid); and a folder on testosterone propionate, B.D.H., testicular hormone. Copies may be obtained by pharmacists on request to the company.

Business Changes

BRISTOL-MYERS CO., LTD., have removed their factory to 33–41 Westbourne Grove, Bayswater, London, W.2.

THE PHOTOGRAPHIC INDUSTRY EXP Group has removed to c/o Peat & York Mansions, 94–98 Petty Fra London, S.W.1. Telephone: Abbey 1

J. J. VIGON & Co. (cattle food mercha have removed to 30 Fenchurch Str London, E.C.3. Telephone: Man House 2034.

THE BUCKINGHAMSHIRE PAPER & Co., LTD., have removed to 68–70 Street, Hammersmith, London, W.6. T phone: Riverside 2682.

Proprietary Articles Trade Associat

Addition to Protected List.—*W. B. Cartwr Ltd.* Penetrol inhalant, 1s. 9d., 16s. 6d. three doz. 15s. 9d. doz., tax 2s. 9d. doz., in sive retail price, 2s.; 2s. 8d. 25s. 3d. doz., t doz. 24s. doz., tax 4s. 2½d. doz., i.r.p. 3s.

Alterations.—*Bayer Products, Ltd.* Cafa tablets, tubes of twenty, 1s. 6d., 12s. doz., 2s. doz., i.r.p. 1s. 8d.

R. Demuth, Ltd. (corrections). Frozocl small green bottles and "ivorettes" for handbag, tax 10s. 8d. doz., i.r.p. 2s. 11d. Car nail-polish paste, tax 9s. 4d. doz., i.r.p. 2s. 6

T. & H. Smith, Ltd. Glycodeine, 1s. 11s. doz., tax 1s. 10d. doz., i.r.p. 1s. 7d.; 2s. 20s. doz., tax 3s. 4d. doz.; i.r.p. 2s. 9d. Glysc 1s. 4d., 11s. doz., tax 1s. 10d. doz., i.r.p. 1s. 2s. 2d., 18s. doz., tax 3s. doz., i.r.p. 2s. 5d.

COMING EVENTS

Wednesday, April 14

SOUTH-EAST METROPOLITAN BRANCH THE PHARMACEUTICAL SOCIETY, N Cross Inn, 323 New Cross Road, Lond S.E., at 7.30 p.m. Discussion on "Mat of Professional Conduct" (Clause 19).

LIVERPOOL CHEMISTS' ASSOCIATION A BRANCHES, Adelphi Hotel, Liverpool, 7.30 p.m. Mr. F. W. Adams, B.Sc., Ph (deputy secretary, Pharmaceutical ciety), on "Pharmacy and the Beveri Report."

Thursday, April 15

NATIONAL ASSOCIATION OF WOMEN PH MACISTS, 17 Bloomsbury Square, Lond W.C.1, at 7.15 p.m. Members' nig Misses H. J. Thompson and C. M. Gol (Manchester Branch) on "The Fut Development of Pharmacy in the Li of the Beveridge Report." Miss M. Burr and Mrs. J. M. Wright, Ph (Nottingham Branch), on "The War a Post-war Problems of Women Ph macists."

ATIONAL PHARMACEUTICAL UNION

INGS of the Executives of the National naceutical Union and Chemists' De- Association were held in London on 23 and 24, Mr. J. Evans in the chair. SECRETARY reported that a question- on the possibility of promoting an isation for employees had been ated, but that the replies received not sufficiently complete to justify sion. It was resolved to defer con- ation for one month. Another matter red was the report of a meeting of the n committee of the N.P.U. and Phar- utical Society. The Committee ap- d a report of a meeting of the Drug e Council, and voted 1,000 guineas rds the expenses of the Chemists' nds Association.

tary's Report

E SECRETARY, in his report upon work rtaken since the previous meeting, said ad received a letter from the Board of e on reconstruction of cosmetic and t business in the immediate post-war d; he was authorised to collaborate the Manufacturers' Association and the London Chamber of Commerce et and cosmetic section) in this matter. chairman, Mr. Hearle, and the secre- were appointed to represent the U. at any meetings that might be d for the purpose. Arrangements had been made with the Board of Trade he allocation of glass-cloths to be dealt by the N.P.U. exclusively. It was ded to co-operate with the Horticul- l Sundries Trade Red Cross Appeal d, and to circulate a leaflet of appeal n inset in the N.P.U. Supplement.

istance and Distress Funds

HE SECRETARY reported that two ms in hand at the time of the previous ting had been settled at a total cost 45. Three claims had arisen since then, involving a payment of £21. Members had paid their subscription to the raid Mutual Assistance Fund for the od ended December 25, 1942, had been rmed through the Supplement that they ld not be required to pay a further scription before June 24; before that e was reached the possibility of extend- the period of cover would be considered. position of the War Distress Fund unchanged since the previous meeting. scriptions amounted to £21,619.

A letter from the Ministry of Health, about a proposed change in regulations to enable a chemist to accept an N.H.I. prescription for dispensing from an area outside that for which he was under contract with an Insurance Committee, was referred to the Central N.H.I. Committee. THE SECRETARY also reported upon a draft regulation whereby hypodermic syringes and needles could be supplied to insured asthmatic patients for self-administration of adrenaline.

A luncheon was given personally by members of the Executive to the retiring chairman (Mr. J. Evans), who expressed appreciation of their support during his term of office.

Chemists' Defence Association

The directors of the Association received a report on outstanding cases and on new claims that had arisen during the month. Settlements had been effected in three, involving payments of £48, £36, and £4. The remaining cases were left in the hands of the secretary for negotiation and settlement. Two free analyses had been undertaken, and legal advice had been given to members on matters connected with businesses and private problems. The directors approved the granting of a wholesale indemnity cover to a member in respect of his manufacturing business.

Annual Meetings

The twenty-second annual meeting of the National Pharmaceutical Union was held at 4–5 Queen Square, London, W.C.1, on March 24, Mr. J. Evans in the chair. Moving adoption of the annual report and accounts, THE CHAIRMAN thanked the secretary for his work during the year. The motion was seconded by MR. A. R. MELHUISH. THE SECRETARY, answering a question on the report, stated the Government had, since its preparation, given an indication of policy. The N.P.U. and Pharmaceutical Society, in conjunction with other bodies interested, would be prepared to present the Government with pharmacists' views on pharmacy in relation to the national medical service. The report was adopted. THE TREASURER (Mr. A. R. Melhuish) moved the adoption of the accounts; Mr. W. J. TRISTRAM seconded, and the motion was carried unanimously.

Mr. J. Evans also presided at the annual meeting of the Chemists' Defence Association held on the same day. THE CHAIRMAN submitted the annual report and expressed the thanks of the directors for the work of the secretary (Mr. G. A. Mallinson) during the year. Adoption of the accounts and report was seconded by MR. TRISTRAM and carried unanimously. It was proposed by MR. HEARLE and seconded by MR. BRYAN that the following members should be elected *Directors* of the Association for the year: Messrs. E. A. Atkins, W. Atkinson, F. E. Battershill, E. A. Bro hurst, D. A. Bryan, B. P. Davies, A. Do J. Evans, W. Forster, J. E. Frencl Hague, J. Hearle, T. Heseltine, H Marshall, A. R. Melhuish, S. J. St H. Steinman, and W. J. Tristram. It proposed by MR. TRISTRAM, seconde MR. DOBSON, and carried, that "Me West and Drake should be re-elected *Aud* to the Association at a remuneratio 15 guineas per annum."

NORTH BRITISH BRANCH EXECUTIV

A MEETING of the Executive of the North British Branch of the Pharmaceutical Society was held in Edinburgh on March 31, Mr. Innes (vice-chairman) presiding. A welcome was extended to Mr. Mair on his return after a recent illness. MR. INNES expressed regret at Mr. Hay's enforced absence, and it was agreed that the resident secretary should convey members' good wishes for his speedy recovery. MR. INNES welcomed Mr. Meldrum, the new member of the Council, to the Executive. They had always sent good men to the Council, and it was with complete confidence that they looked to Mr. Meldrum to carry on the tradition. MR. MELDRUM, suitably replied.

Tributes to Mr. Jack

The retiral of Mr. Jack from membership of the Council was officially intimated, and tributes to his fine work for pharmacy during fifty years were paid by MESSRS. INNES, GUTHRIE, MURRAY, and RITCHIE.

The filling of the vacancy caused by the death of Mr. Sutherland was considered, and it was unanimously agreed to ask Mr. Jack to accept co-option; Mr. Jack's acceptance was obtained. The annual meeting was fixed for June 16. The chairman and resident secretary were asked to have the annual report prepared and submitted to the Council. The annual statement of accounts was received.

Apprentices and Military Service

As a result of the representations made by the resident secretary a satisfactory arrangement had been come to in the case of boys who might reach the military age before knowing the result of the Leaving Certificate Examination, and an announcement would shortly be published.

Papers Welcomed

A letter from the New South Wales Government Offices had been received, returning thanks for copies of papers at the February meeting.

Committee on Report

THE CHAIRMAN said that the commi formed to consider the Report of Committee of Inquiry had held a mee on March 24, when the first part of Report had been carefully considered. DRUMMOND, who had been asked to pre a statement on Section 3, gave an excel report, which was fully discussed.

Beveridge Report

THE RESIDENT SECRETARY repor that various bodies were being consul about the comprehensive health ser envisaged by the Beveridge report. request had been made to the Secretary State for Scotland that pharmacists sho be taken into consultation at an appropri stage, and an answer had been recei that the need for consulting pharmaci had not been lost sight of and tha further communication on the subj would be sent in due course. A sm committee was appointed for the purp of interview.

Quinine Order

A letter sent by the Edinburgh Bran to the secretary in London, in which it w pointed out that although the chemists the district had drawn the attention doctors to the new regulations, quinine a its salts were still being freely prescribe was received. It was suggested that approach should be made to the Minist of Supply so that the matter might cleared up. The resident secretary h received a letter from London, requesti the North British Executive to take th matter up with the Department of Heal and with the Scottish Branch of the Briti Medical Association. This was being done.

PERSONALITIES

ALDERMAN C. J. V. BELLAMY, Ph.C., Upland Park Road, Oxford, has been ointed chairman of the Oxford Eye spital.

IR. GEORGE SENIOR, M.P.S., and MRS. NIOR, "The Ledge," Warren Gate, rth Mimms, Herts, recently celebrated ir golden wedding. Mr. Senior was in iness as a chemist for many years in erpool before he gave up his own mist's shop to join Parke Drug Stores manager. He was in charge of their ngston-on-Thames branch for some time, l retired about ten years ago.

BIRTHS

EE.—At Cedar Court nursing home, ton, Surrey, on March 28, Nora, the e of Arnold M. Gee, M.P.S., of a son, er Mackworth.

MARRIAGES

ELLIS—ALLSOP.—At Longsight Presbyan Church, on March 16, William J. llis, Ph.C., 30 Market Street, Hyde, eshire, to Sally Allsop, Hyde.

TEINMAN — LEE. — Recently, Harry inman, M.P.S., 77 Cheetham Hill Road, nchester, 8, to Sadie Lee, Salford.

DEATHS

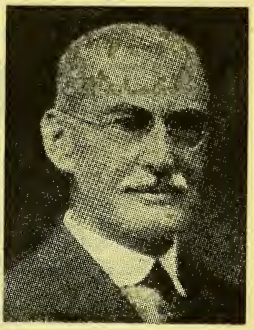
ABEL.—At 29 Market Place, Inverurie, ently, Mr. Peter Alexander Abel, M.P.S. Abel passed the Minor examination 1887.

DENT.—Recently, Mr. John Stephenson nt, M.P.S., Market Place, Dereham, aged ty-three.

NGLIS.—Suddenly, on March 29, Mr. nry (Harry) Inglis, of the representative ff of Brook, Parker & Co., Ltd., manuturing chemists, Bradford, aged fiftyie. Mr. Inglis served his apprenticeship th Messrs. Brook, Parker but left them a short period during which he was in siness on his own account. He then urned to the company, and after being some time in charge of their laboratory s appointed a representative, which sition he held for over twenty years. travelled principally in the North-east l Eastern district of Yorkshire.

UDDEPHATT.—At Sale, on April 5, Mr. anley F. Puddephatt, aged fifty-seven. . Puddephatt had been on the staff of Joseph Brooks & Co., Ltd., Shudehill, Manchester, for over thirty years. He was a past-president of the Commercial Travellers' Association.

LINSTEAD.—On April 2, Mr. Edward Flatman Linstead, Ph.C., formerly the manager of the advertising department of Burroughs Wellcome & Co., aged seventy-four. After passing the Minor and Major examinations of the Pharmaceutical Society, Mr. Linstead held positions with Cruse & Co., Southsea, and Mr. W. W. Brunton, South Kensington, before going into business on his own account at Nightingale Lane, London, S.W. In 1805 he joined Messrs. Burroughs Wellcome and, under the direction of the late Sir Henry Wellcome, formed the advertising department, of which he was manager from 1907 until his retirement in 1940. Mr. Linstead was for many years a resident of Winchmore Hill, London, N., and took part in numerous local activities, in particular those of the Wood Green Conservative Association and the Southgate Ratepayers' Association. He was at one time a member of the Southgate Education Committee. He leaves a widow and three sons, Mr. Hugh Linstead, M.P., Professor R. P. Linstead, F.R.S., and Mr. Edward P. B. Linstead, who is serving in Africa with the R.E.M.E. The cremation was at Golders Green on April 8.



Mr. E. F. Linstead

SMITH.—At 58 Radnor Drive, Southport, on April 2, Mr. William Henry Smith, M.P.S., aged sixty-seven. In 1922 Mr. Smith took over a business in Botanic Road, Churchtown, Southport, and continued there until he retired in 1938. Three years ago, owing to the war, he joined the staff of the Southport War Emergency Hospital. He was a former chairman of the local branch of the Pharmaceutical Society, and was made an honorary member when he retired from business. For many years Mr. Smith represented chemists on the Southport Insurance Committee. He was well known in Masonic circles, being P.M. of Emulation Lodge, No. 3675, and P.Z. of the Stanley Chapter, No. 1502.

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. CXXXIX APRIL 10, 1943 NO. 3296

fact that goods made of raw materials hort supply owing to war conditions are ertised in this paper or described in its orial columns should not be taken as an ication that they are necessarily available export.

nforcing the Pharmacy Act

E significance of two prosecutions which ve recently come before the Courts, at eds and Birmingham respectively, should be lost sight of. The former was a test e brought by the Pharmaceutical Society get a decision as to whether an open rket stall is a "shop." The Pharmacy d Medicines Act stipulates that the word s the same meaning as in the Shops Act, 12, which legislation defines it as any emises where retail trade is carried on. e magistrate, after hearing considerable gument, decided (*see* p. 368) that a board trestles placed in a street outside a vered market did not constitute a shop the ordinary sense of the word. It will recalled that under the Medicines Stamp cts a licence to sell dutiable medicines was ly granted in respect of rateable premises, nsequently vans, stalls or other movble or non-rateable places of business uld not be licensed. The magistrate's cision may be subject to appeal, and if held will not only clarify the definition the Shops Act, but help to regularise e trade in proprietary medicines. It ould not be overlooked that the product hich was the subject of the sale was one recommended as a medicine," and did not concern medicines or drugs outside this definition. Control of the latter class would be materially helped by a clear-cut legal decision that indication of dose on the labe constituted a recommendation.

The other prosecution concerned "female pills" which had been bought by two women with, it was alleged, intent to procure a miscarriage. When the case originally came before Mr. Justice Humphreys (*C. & D.*, March 27, p. 314) he made severe comments on the sale of these products by chemists. At the resumed hearing on March 29 (see *C. & D.*, April 3, p. 341) he expressed his regret at the use of "chemist and druggist," as he had since learned that not only was the seller not thus qualified but that the Pharmaceutical Society's disciplinary committee would take the strongest action against any chemist and druggist who was found to be concerned in the sale of abortifacients.

Ambiguous Instruction

When the Pharmacy and Medicines Act came into force we received numerous inquiries relating to Section 9, which prohibits advertisements relating to abortion, and expressed the view that it would depend on circumstances whether the labelling of female pills or capsules "not to be taken in cases of pregnancy" would safeguard the vendor against prosecution. In the case of delayed menstruation through ill-health no action could be taken, but if there were evidence of the sale of other products for producing miscarriage or a knowledge that the pills were likely to be used for that purpose, the seller would be liable to prosecution in the Courts and disciplinary action by the Pharmaceutical Society. Professor Webster, when giving evidence in the Birmingham case, stated that to label the pills as indicated above acted as an incentive instead of as a deterrent.

Prohibited Advertisements

Section 9 of the Pharmacy and Medicines Act states that "no person shall take any part in the publication of any advertisement referring to any article or articles of any description, in terms which are calculated to lead to the use of that article or articles of that description for procuring the miscarriage of women." Section 15 of the Act

declares that "it shall be the duty of the [Pharmaceutical] Society to take all reasonable steps to enforce the provisions" of various sections, including Section 9. The speedy action of the Society (and the National Pharmaceutical Union) in calling the judge's attention to the true position was most commendable, and the publicity it received in the lay Press most welcome. It now behoves the Society's inspectors to ensure that the provisions of Section 9 are observed—not an easy task. Chemists are not the chief offenders—as the Act seems to recognise, in view of the words "no person shall . . . ."

Work of the War Damage Commission

Some interesting facts and figures on the subject of damage to property in this country due to enemy action up to the end of 1942 and the actions taken, where practicable, to effect repairs were given in a statement issued this week by the chairman (Sir Malcolm Trustram Eve, K.C.) of the War Damage Commission. Up to about the end of last year approximately three million properties of all descriptions had been damaged or destroyed. Claims in respect of 1,200,000 properties had been paid (excluding payments on account), and the amount involved exceeded £100,000,000. Payment in these cases was made only after repair work had been completed on the basis previously agreed. These bulk totals of work done and payments made reflect the magnitude of the work carried out by the Commission. The greater task of settling and meeting claims for restoration in the cases of buildings "not a total loss" and payment for others recorded as "total loss" is yet to be done. It is expected that the classification into these two groups and terms of settlement of such claims at present recorded will be substantially completed by the end of the war. The time taken to make the final and permanent repairs or replace destroyed buildings will, of course, depend on conditions of supplies of materials and labour.

Claims are still being received by the Commission at the rate of 9,000 a week. The majority of claims for repairs have not exceeded £100, and these were usu settled in a few weeks. Sir Malcolm p tribute to local authorities for the man in which they had carried out tempor repairs to slightly damaged properties w the minimum of delay. This had done m to relieve distress in residential distri and had avoided further damage by weat to the buildings. He pointed out t owners of damaged properties to wh local authorities had done first-aid rep should themselves give notice of the dam to the Commission within ninety da otherwise their claim for compensat for cost of restoring the properties to p bomb conditions could not be accept Local authorities do not lodge claims w the Commission except for the cost first-aid repairs they have carried o Where repair to damaged dwellings w carried out by local authorities, and expenditure up to £250 per house had be permitted in some 40,000 cases, this w done to relieve housing shortage. Wh similar properties are owned by priv individuals the maximum amount of £1 for repairs continues to operate. If priv property owners carry out repairs in exc of this amount the Commission is n permitted to reimburse them unless th have previously obtained a Ministry Works licence.

Claims Formula

The classification of outstanding clai (probably nearly two and a half millio into "not total loss" or "total loss" w a tremendous task, and it was being de with systematically. These claims wou be dealt with under the 1943 Act by appl ing the formula: "If, on the 1939 figu of labour and materials costs, the buildi would have been economically wor repairing, it will be considered to be wor repairing in the post-war period and w not be classified as a total loss." A gre effort will be made to ensure that befo the time when facilities will be availab for the final repairs or rebuilding of dam aged or destroyed property, every own shall be aware of the category into whic his property falls.

There is in some quarters a mistaken ide that "value payments" can be made no This concession authorised by the Treasur only refers to premises of national impor ance and in certain types of "hardship cases. In the majority of claims "valu payments" for damage or loss will have t wait till after the war.

MEDICAL ABSTRACTS

hadiazine Emulsion.—An alternative ıic acid jelly when burns occur in the face or genitalia is suggested by the al Research Committee of the States in the "Journal of the l Pharmaceutical Association" (prac- harmacy edition, 1942, II, 237); it s of an aqueous emulsion containing ent. sulphadiazine. Three alternative as put forward are:—

I

Hexadecyl alcohol	6·1
Octadecyl alcohol	6·1
Sodium lauryl sulphate	1·4
White soft paraffin	13·6
Liquid paraffin	20·5
Sulphadiazine	5·0
Water	47·3

the alcohols together on a water at 65° C., add the sodium lauryl te and stir well. Add the paraffins elt in. Add the sulphadiazine and til cool. Stir in the water.

II

Ringer's solution	58·0
White soft paraffin	20·0
Glycerin	11·8
Sulphadiazine	5·0
Pectin	5·0
Methyl parahydroxybenzoate	0·2

III

Cetyl alcohol	10
Glycerin	10
Sodium lauryl sulphate	1
Water	74

e Elements in Enzyme Systems.—sential "trace" elements in diet have escribed recently by Keilin and Mann cet," 1942, II, 544) as being those in the ash of milk. The first stage in shing the function of a possibly al element is to discover the com- s in which it existed in the body. In ammal, copper was thought to exist erythrocytes in an inorganic form. ıthors have shown that it is present copper-protein compound, hæmo- n. This substance is found not only hrocytes but in the liver and in other . It occurs in plants and is respon- or the darkening of the cut surface ıts as it is a constituent of the oxidase ıs. Zinc forms part of the enzyme ic anhydrase which plays an impor- art in the transport of carbon dioxide the acid-base equilibria of the body. ossible that zinc occurs in combination ther proteins forming substances with other actions. The high activity of these metal-protein compounds can be judged by the fact that 0·1 μgm. of carbonic anhydrase, containing 0·003 μgm. zinc, can be detected biologically. Although deficiencies of the metal component of these protein compounds are well recognised, it is possible that deficiency also exists of the protein.

Tannic Acid and Sulphadiazine Jelly.—The "Journal of the American Pharmaceutical Association" (practical pharmacy edition, 1942, II, 236) gives the following formula for a tannic acid and sulphadiazine jelly to meet the requirements stipulated by the National Research Council (preparation must be washable, medicament uniformly dispersed; colour tan to brown; *p*H around 7·5; soft enough to spread but firm enough to adhere, etc.):—

Pectin	5
Tannic acid	10
Glycerin	12
Sulphadiazine	5
Methyl parahydroxybenzoate	0·2
Sodium sulphite	0·2
Ringer's solution	67·6

Mix the pectin, glycerin and sulphadiazine to a smooth paste. Dissolve the sodium sulphite, methyl parahydroxybenzoate and tannic acid in boiling Ringer's solution and add to the pectin paste, stirring well until cool. An alternative washable base, for incorporating 5 per cent. sulphadiazine and 10 per cent. tannic acid, consists of:—

Cetyl alcohol	15
White wax	1
Propylene glycol	10
Sodium lauryl sulphate	2
Water	72

Melt the cetyl alcohol and white wax in the propylene glycol and heat to about 65° C. Dissolve the sodium lauryl sulphate in the water and heat on a water bath to about 65° C. Add the oil mixture to the water mixture slowly and with constant stirring. Continue during ten minutes and then cool, still stirring.

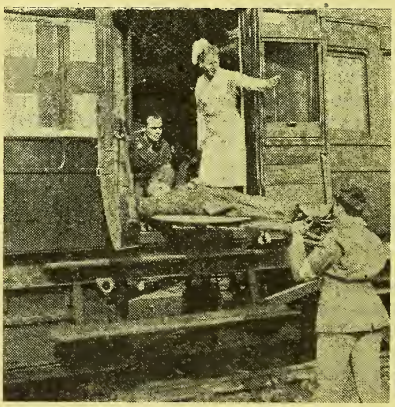
National Salvage Sweep Begins.—An intensive salvage sweep over twenty-three counties, each conducting a fourteen-day drive, will be conducted during the course of the year. It is an offensive to collect every scrap of waste material that is good for salvage, including waste paper of every description, metals, scrap rubber, rags, etc. The campaign opens in Essex this week.

INSURANCE ACT DISPENSING

Drug Accounts Committee (Scotland).—The following table gives the number and value of prescription forms dealt with by the Committee on behalf of public bodies in 1941 and 1942:—

The increase in the number of prescr tion forms was 218,114 and the fig representing their value showed an increa of £31,439 on the corresponding figures the previous year.

Body	1942		1941	
	Number of forms	Value	Number of forms	Value
54 Insurance Committees in Scotland ..	3,078,793	£235,092	2,846,081	£206,42
Additional forms for insulin	16,947	17,346	16,584	14,02
Government of Northern Ireland	766,133	56,069	748,214	55,19
Additional forms for insulin	3,356	3,750	3,104	2,93
	3,865,229	£312,257	3,613,983	£278,58
Local Authorities:				
Tuberculosis Departments	19,755	3,022	25,181	3,45
Public Assistance committees	63,400	7,113	80,515	8,14
Child Welfare clinics, etc.	3,149	284	5,186	47
Education committees	311	19	604	5
Police departments	1,402	175	1,466	17
Blind persons scheme	174	19	162	1
Institutional patients	58	12	96	2
Venereal diseases clinic	52	6	50	
Local medical war committees	3,701	304	6,625	47
Emergency hospitals	4,418	570	5,392	85
Jedburgh Medical and Dispensing Assoc'n	331	25	—	—
British Honduras Forestry Unit	543	47	—	—
Newfoundland Forestry Unit	1,738	242	2,253	25
Ministry of Pensions	—	—	31	
Public Medical Services	47,036	3,097	51,616	3,25
Seamen's National Insurance Society ..	328	56	351	4
Total	4,011,625	£327,249	3,793,511	£295,81



BRITISH-AMERICAN AMBULANCE TRAINS.—A number of ambulance trains to be used by both United St and British Armies are being constructed in shops of the main English railways. Each army will have its own cr and staff operating its respective trains. An Anglo-American committee has prepared the designs, equipment construction of the ambulance trains.

TEES-SIDE MEETINGS OF EMPLOYEES AND PHARMACISTS

EETING of the Tees-side Branch of the rmaceutical Society held in Middles-igh on March 24, Mr. D'Arcy Bray iding, was preceded by a special meeting pharmacist employees, at which THE RETARY outlined action recently taken he Society in the direction of securing er representation of employee pharma-s. In the meantime, the branch had out a questionnaire to employee macists in Tees-side, and the sum-ised statistics of the replies were before meeting. These showed that all were avour of organising employees; 90 per . were in favour of a professional ciation on the lines of the British ical Association—admitting proprietor non-proprietor pharmacists, and self-iplined. Some members suggested that, mployees associated themselves with National Pharmaceutical Union, this nt well result eventually in securing sion among all holding the statutory lification. Many members expressed opinion that if they could not agree ll qualified forming a craft association, strial organisation would be inevitable. is proved to be so, then they had better get into the same trade union. Nobody essed a preference for any particular e union.

tion of Officers

he business meeting of the branch fol-ed, when the following officers were ointed: *Chairman*, Mr. D'Arcy Bray; *-chairman*, Mr. F. Hollings; *Secretary Treasurer*, Mr. R. MacDonald Murray; *istant Secretary*, Mr. J. M. Langman; *litor*, Mr. T. R. Scholfield; *Committee*, srs. W. R. Brackenbury, J. Drust, Gillespie, S. A. Gamlen, J. M. Moffit, Philpots, C. Pickering, J. C. Thompson, W. A. Thompson.

n his annual report THE SECRETARY paid ute to the late Mr. P. H. Gamlen, West tlepool, and expressed members' sym-hies with Mr. J. C. Thompson in his tinued illness. If, he said, Beveridge e pensions came into operation, the lic would become health-conscious as er before, and as pharmacy was one of five professions within the medical p, pharmacists had little need to fear future. Pharmacy could gain greater lic esteem if there were a proportion of lay representatives and other expert citizens on the controlling body. The important nature of the Society's public-utility work would thus be better appreciated by the wider public. The financial statement, showing a balance of £14, was adopted by the meeting.

Three Papers by Members

Three papers were afterwards read by branch members. These were "What to Do if your Pharmacy is Blitzed," by Mr. S. A. Gamlen; "Sterilisation in Pharmacy," by Mr. T. H. Hopper; and "The Vitamins," by Mr. J. M. Langman.

"What to Do if Blitzed"

In his advice on "What to Do if your Pharmacy is Blitzed," MR. S. A. GAMLEN, after dealing with his own experience following the dropping of a land mine on his business premises, discussed bomb damage in relation to the four headings: Building, fittings and equipment, stock, and loss of income. All four items, he said, could be covered or mitigated by properly constituted insurance or mutual-aid schemes.

Fittings, Equipment and Stock

The Board of Trade insurance policy which covered these items should be considered carefully, and the amount for which business chattels are insured should be what a "ready purchaser" would pay a "ready seller" at the time the policy was effected. It was wrong to take the figure to which auditors progressively reduced the value of fittings for balance-sheet purposes. When damage was being assessed, even floor coverings and labelled drug rounds should be taken into consideration, together with such items as cash registers. If a chemist had insured his chattels for £400 and the Assessor considered premiums should have been paid on £600, he would then allow only two-thirds of the costs of repair or replacement. The Board of Trade Stock Insurance Scheme would be well understood in most quarters, he thought, but those who considered they could estimate quite large stocks within negligible margins would do well to assess correctly the amount of purchase tax. From a cross-section of invoices taken on several occasions he had found the incidence of purchase tax affected the ordinary

total value of stock by an amount varying between one-sixth and one-seventh.

Provision Against Loss of Income

The speaker said he had had no personal experience of the ordinary type of insurance covering loss of income, but he urged any who doubted the merit of the N.P.U. Mutual Aid Scheme to doubt no longer but to send their premium cheques without delay. During each day his business had been closed—even Sundays—he had received 20s. compensation, and in addition a full £7 to augment returns during the first seven days of re-opening. Apart from this valuable contribution to the additional expenses incurred during the period of chaos, the cost per annum would be reasonable if only to secure the valuable guidance and direction Mr. Mallinson was in a position to give and did give promptly.

Repairs to Building

The first thing to be done in the matter of blitzed premises was to get "emergency repairs" under way. The local Borough Engineer's Department would take the work in hand for those chemists who lived on their premises but otherwise it was necessary to instruct a builder to get on with the work immediately, in order to guard against further needless damage to stock by weather or pilferage. The emergency repairs consisted of cheap, temporary waterproof coverings to roof and shop front. The builder's account for his work should be submitted promptly, payment being made by the War Damage Commission within a short period. It was important to remember that the Commission permitted only essential work to be done to business premises, and if the damage was likely to exceed £100 it was necessary to obtain permission for the work to proceed, otherwise the builder would find himself unable to obtain the necessary timber and other supplies. A pharmacy was considered essential premises to re-establish, and no difficulty was experienced in securing the permit. Damage to his own building had been so extensive as to make it desirable to engage an architect to ensure that the building was made structurally sound again, and this was a course he recommended to all. In addition to overseeing the work, the architect prepared the claim for repairs, and thus left the chemist free to look after the stock, separate good from damaged merchandise, prepare his stock claim, and generally make ready for re-opening. When the War Damage Assessors arrived on the scene it was convenie leave the architect to handle all argu and discussion, which in his own exper had spread over a period of several mo and he was quite happy to pay the nece fee for the services thus rendered by architect. The War Damage Commiss settlement was in terms of (1) settle and payment for work considered essen (2) suspended payment for work f necessary by the owner of the pro from practical considerations; and (3 agreed sum towards the cost of work to be done post-war. This item incl such things as leaded lights and decorative work.

Repairs to Equipment

The Board of Trade insurance cove shop-fittings and equipment was inte only for essential work. As the hi classes of material and workman required for the repair of, for exan dust-proof showcases, were not avail nor their repair in the majority of insta strictly necessary, it was better to post most work of that kind. The best co seemed to be to obtain from one or firms of shopfitters estimates of the of putting all fittings and equipment in condition in which they had been prio becoming damaged. The lowest com hensive estimate was then submitte the Board of Trade Assessors to investig and they determined whether the o of the business had been under-insured

Stock Claim

There was so much to do in conne with re-establishing damaged busine that the speaker considered it well w spending some thought to decide whic three courses of action should be ta (a) To claim for total loss based upon full value of the stock insured; he advised that this was the simplest c to present; (b) to make an inventory of damaged stock if there remained n good and usable than damaged mate or (c) to make an inventory of the g stock that could be salvaged. The invent was so complicated that it was essen to adopt the course involving the l amount of work. In his own damage damaged stock had been the smal proportion. Evidence upon which claim was based naturally varied, bu few examples were given, e.g. the label neck of a Winchester were evidence of 5 or 6-lb. breakage, surgical dressings glass embedded therein could be clai

full; so could jars of bulk ointments broken porcelain embedded therein. oods and sundries damaged by water ntaminated in other ways could be d for in full. Manufacturers had been very ready to provide new labels, s or other means of re-dressing soiled s, and if the chemist presented his honestly and fairly, setting forth all idence he had been able to assemble, ould have little difficulty with the of Trade Assessors. Damaged and contaminated drugs and galenicals of every kind were regarded as worthless. After asking for evidence of breakage, and confirmation by invoice, of about twenty items selected at random from the claim, the Assessor had initialled the total and asked him to to make an offer for certain water-damaged items which it would be gross waste to destroy in existing conditions of shortage.

It was decided to leave in the hands of the committee consideration of the suggested alterations to the Code of Ethics.

IRMINGHAM DISCUSSES EMPLOYEES

EETING of the Birmingham Pharitical Association and Branches, held larch 24, the vice-president of the iation in the chair, discussed "The nisation of Pharmaceutical Emes." Papers were given by the presi- (Mr. H. Walsh) on "The Present ion and Prospects"; by Mr. H. Wiln, Bradford, on "The Omnibus Organn" (communicated); and the third r. P. Crees on "The Essentials of a nacy Trade Union as exemplified by Association of Pharmaceutical Emes."

nt Position

. WALSH said an organisation had ly been established on behalf of oyers in the National Pharmaceutical n, the formation of which had resulted the Jenkin case. After the last war, e Boards had been set up in many s, and pharmacy was on the list. William Glyn Jones formed an associa- of pharmaceutical employees to enour to forestall Government action, and tually pharmacy was removed from the In this war the Government was inting Joint Industrial Councils, repreative of employers and employees, and macy was listed for consideration again. had the power to set up an arbitration d. The question had to be asked her the needs of pharmaceutical emees were the same as other workers'. he drug trade there were the National n of Allied Drug-trade Workers and Association of Pharmaceutical Emees, operating under the auspices of National Amalgamated Union of Shop stants, Warehousemen and Clerks. ting bodies had become alive to the for further organisation. Thus the U. had recently issued a questionnaire e what support would be forthcoming for a National Pharmaceutical Employees' Union, and the Pharmaceutical Society had convened a conference of all existing organisations to discuss possibilities of fusion. The conference was possibly hastened by the fact that two unions had already appealed to the Government for a Joint Industrial Board. There were various difficulties. The A.P.E. was not prepared to accept members of the Guild of Public Pharmacists, who were not engaged in retail trade; on the other hand the N.U.A.D.T.W. would accept all workers in the craft. The N.P.U. scheme was limited to the retail trade. The Trades Union Congress would not accept any new unions unless representing a distinctly new section of the community.

One Body Urged

MR. CREES said that organisation of employees had become more urgent as a result of the war and the deliberations of the Central Pharmaceutical War Committee. The A.P.E. could claim the support, in negotiating, of other workers' unions.

MR. WILKINSON urged one body including all pharmacists, whether proprietor or employee. The plan would provide for three types of membership: (*a*) Executive (controlling multiple firms); (*b*) shop controllers; and (*c*) staff pharmacists.

MR. WILSON (president, local branch, Guild of Public Pharmacists) thought Mr. Crees pessimistic in suggesting that the pharmacists were no different from other shop workers.

MR. GUNN asked for a definition of eligibility of membership of the A.P.E., to which Mr. Crees replied that all employees genuinely employed on the pharmaceutical part of any business could join. Other contributions to the discussion were made by Messrs. J. W. COX, F. W. YEOMANS, E. C. THONGER and H. W. GOODMAN.

ERGOT—A QUALITATIVE CHEMICAL TES

by J. W. Fairbairn, B.Sc. (Lond.), Ph.C.

ERGOT is frequently administered in the form of powder, and it is therefore desirable to devise a reliable qualitative test. The test given in the B.P.C., 1934 (p. 420), for ergotoxine consists in treating an aqueous solution of the alkaloid with a solution of *p*-dimethylaminobenzaldehyde in 66 per cent. v/v sulphuric acid, containing a trace of ferric chloride, when a blue colour develops. Some modifications are necessary if the test is to be applied to the crude drug and to mixtures of the crude drug with other vegetable substances. The following points were therefore investigated and a suitable test has been devised.

Extraction of the Ergotoxine

0·1 gm. of powdered defatted ergot was shaken with 5 mils of 95 per cent. alcohol and filtered. To the filtrate, which was faintly brown in colour, was added twice its volume of a reagent containing 0·125 per cent. *p*-dimethylaminobenzaldehyde in 66 per cent. v/v sulphuric acid containing a trace of ferric chloride. A rather indefinite bluish-violet colour developed on standing. The same experiment was repeated using chloroform as the solvent instead of alcohol. The chloroform extract was practically colourless, and a distinct blue colour was obtained on shaking with the reagent and allowing to stand for a short time. It was decided, therefore, to use chloroform as the alkaloidal solvent, and work out the optimum conditions for a rapid yet sensitive test.

Strength of Sulphuric Acid used in Reagent

Using reagents made with varying strengths of sulphuric acid, it was found that 35 and 40 per cent. v/v acid gave most satisfactory results. The 35 per cent. strength was preferred since its density was not so near to that of chloroform as was the 40 per cent.; hence separation of the two layers was more rapid.

Concentration of the *p*-Dimethylaminobenzaldehyde

A series of experiments showed that no marked change occurred when strengths varying from 0·1 to 0·2 per cent. *p*-dimethylaminobenzaldehyde were used. It was decided to use 0·1 per cent. for the remainder of the work.

Use of Ferric Chloride

It was found that a trace of oxidisi agents other than ferric chloride, such hydrogen peroxide, potassium chroma nitric acid, potassium chlorate, all increas the rapidity with which the blue colo developed. With the latter agents, ho ever, the blue colour rapidly disappear on standing. Moreover, reagent prepar with these oxidising agents, at first colo less, becomes yellowish-brown on standir showing its instability. It was conclud that ferric chloride was the best oxidisi agent to use. A series of experimer showed that the presence of 1·5 mils o 5 per cent. solution of ferric chloride p 100 mils of reagent gave the best resul The reagent was therefore made up to t following formula:—

p-dimethylaminobenzaldehyde	0·1 gm.
Sulphuric acid, 35 per cent. v/v	100·0 mils
Solution of ferric chloride 5 per cent.	1·5 mils

The reagent was still active after standi in a clear glass-stoppered bottle, expos to the ordinary conditions of a laborator for five months.

Ergot with other Vegetable Drugs

0·5 gm. of a mixture of ergot wi digitalis leaf (containing 0·1 gm. of ergo was shaken with 5 mils chlorofor filtered, and an equal volume of the reage added. The chloroform layer became da green, due to the presence of chlorophy and the reagent layer acquired a bluis green colour. The colour was not suf ciently blue to permit a definite stateme that ergotoxine was present. Some meth had to be devised to remove the chlorophy from the chloroform extract, or preve the chlorophyll from passing into Various methods were attempted, and was found that preliminary shaking of t ergot powder with sodium carbonate sol tion, before extracting with chloroforn was successful. Sensitivity of the test w increased, for the sodium carbonate prol ably liberated the alkaloid. Sodium ca bonate and not sodium hydroxide w used, since ergotoxine is soluble in t latter.

Test in its Final Form

The method finally adopted for perforn ing the test was as follows: Shake vigo ously 0·1 gm. powdered ergot (or a quantit

ixture containing approximately this nt of ergot) with 5 mils 5 per cent. ion of sodium carbonate for a few nds. Pipette off the lower layer (which be partially emulsified) into a clean tube and wash once with water. tte off the clear chloroform layer into her clean test-tube and shake with t half its volume of the reagent already ribed. Allow to stand for two to five ites. If ergotoxine is present an intense colour develops in the upper acid layer. test was applied to mixtures of powd ergot with aloes, cascara sagrada, dered cinchona and quinine, and in each instance a definite blue colour was obtained. The test was also applied to a recently-purchased sample of liquid extract of ergot, B.P. 1932, and gave a good colour with as small a quantity as 0·1 mil. With an old sample of extract, however, no blue colour was given, even when 1·0 mil of the extract was used for the test—indicating a complete loss of ergotoxine on prolonged storage.

[From the pharmacognosy research laboratory, College of the Pharmaceutical Society. The paper was read at an evening meeting of the Pharmaceutical Society held in London on March 11.]

NORTH AND WEST AFRICAN VEGETABLE OILS

n article on vegetable oil prospects in ich North and West Africa, "Foreign merce Weekly," issued by the United es Department of Commerce, states although peanuts are the chief oilseed rench West Africa, other exportable luses are produced. Palm oil and palm ıels rank second in importance. The ich have estimated that utilisation of the best oil-palm land would bring luction of palm oil, in Dahomey alone, 150,000 metric tons a year. Present luction in Dahomey, Ivory Coast, and ich Guinea amounts annually to about oo tons. French West African exports raged 21,567 metric tons of palm oil 81,627 tons of palm kernels in the -year period 1934–38.

rench West Africa produces a variety ther oilseeds, among them castor beans, ra, cottonseed, sesame seed, and kapok l. In the last decade small quantities e usually exported each year, but the ntity of each oilseed exported seldom ounted to as much as 1,000 metric tons. ıomey is the chief exporter of castor ns, copra, and cottonseed, while the an leads in kapok seed and Guinea in me. Cottonseed is also exported from Ivory Coast.

live oil is the principal oleaginous erial produced in French North Africa. Tunisia, one of the world's leading exters, the export value of olive oil has etimes amounted to one-fifth of the ıe of all exports. Algeria is a subtial producer and exporter of olive oil, le French Morocco (where the number olive trees increased from 2,533,000 in 4 to 7,929,000 in 1938) is at times a net exporter, at times a net importer. Tunisia normally produces upward of 50,000 metric tons of high-grade edible olive oil and 5,000 tons of olive-oil residue or foots. Exports average some 40,000 or 45,000 tons, which is well in excess of Tunisia's imports of other oils and fats. Tunisia had a poor olive crop in 1941, production amounting to a mere 25,000 metric tons of edible oil and 2,500 tons of foots. The 1942 crop promised to be much better, early estimates setting production of edible oil at 80,000 metric tons and foots at 10,000 tons. Other oilseeds are grown in French North Africa, but linseed is the only other one grown in commercially appreciable amounts.

Summing up the prospects for the immediate future the article states that it cannot be expected that French North Africa and West Africa will prove during 1943 a rich fountainhead of vegetable oils and fats, but the prospects for 1944 are better. Given good growing conditions and proper incentive, the writer states, French West Africa should again by virtue of a large peanut crop, become one of the world's greatest suppliers of oilseeds, and French North Africa, if plans to expand oil seed acreage are adhered to, may become a material contributor.

Wonderful Stuff—"The other day I asked a doctor if he was using much sulphapyridine in his practice." "Oh, yes," he said, pulling a large tin of tablets out of his pocket and shaking it, "I give it to everybody who has a temperature. If he improves I go on with it, but if nothing happens I stop it. Wonderful stuff. Saves lots of time."—"Lancet."

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils repr the prices for wholesale quantities of standard quality. C.i.f. quotations do not in marine war risk insurance and other abnormal charges payable in the present emerg

28 Essex Street, W.C.2, April 7

LITTLE of outstanding interest has occurred in the London drug markets during the past week, but trade on the whole has been well up to recent average. As usual the home consuming industries have taken the bulk of the supplies of available goods at prices generally in line with those quoted during the past few weeks. A number of price alterations have occurred in PHARMACEUTICAL CHEMICALS, including advances in POTASSIUM NITRATE and SANTONIN. New schedules of prices have been issued for ASPIRIN, SALICYLIC ACID and SODIUM SALICYLATE; the changes in these schedules affect only the smaller sizes and are caused by increased costs of packing; the basic prices of the chemicals are unchanged.

Crude Drugs

As already mentioned, most of the crude drugs sold this week have been destined for immediate consumption by the home manufacturing trade. Prices, with one or two small exceptions, are about as previously quoted. AGAR, supplies of which are reserved for bacteriological use, is hardly ever mentioned on the market. Business in BENZOIN has diminished and most of the cheaper parcels seem to have been cleared. Some import licences have been issued for BUCHU LEAVES, an arrangement that will ease the supply position in due course. Natural grades of CAMPHOR have again been in moderate demand. CASCARA SAGRADA bark remains in good inquiry, but no supplies are available. Mombasa CHILLIES are steady at the reduced price noted last week. Some interest is now being taken in ERGOT but really sound material seems to be rather difficult to find. IPECACUANHA is firm, with some spot business done. A brisk demand for MENTHOL was experienced towards the end of last week, but apparently little was forthcoming at the price indicated. NUTMEGS is steady at the lower values noted last week. Fair supplies of RHUBARB are available at unchanged prices.

Essential Oils

Prices of essential oils show practically no alteration on the week, and business continues quiet and of a routine kind. ANISE (STAR) has again been in good demand, but the supply position ren difficult. Some BAY may be had at previously-quoted price. CAJUPUT is and in restricted supply. English dist CLOVE is unchanged. LEMONGRASS steady. Supplies of PEPPERMINT are cult to find, but inquiries continue t received.

Exchange Rates on London

During March there were no modifica in the principal currency values in London. main Bank of England fixed rates intere the drug and chemical trades are: New Y 4.03 dollars; Montreal, 4.45 dollars; Bu Aires, 17.02 paper pesos; Dutch West In 7.60 florins; Lisbon, 100 escudos; Stockh 16.90 kroner. Among the free rates the M peseta continues at 40.50 to the £ and Chinese National dollar is valued at $3\frac{3}{32}$d.

Pharmaceutical Chemical

ACETANILIDE.—In restricted supply at a 2s. 5d. per lb. for B.P.C. crystals.

ALLOBARBITONE.—Makers' price steady around 64s. per lb.

AMPHETAMINE.—May be had from make approximately 160s. per lb.

ASPIRIN.—Prices of the small sizes have adjusted. New rates are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	2
	s. d.	s. d.	s. d.	s. d.	s
1–4 lb.	4 4	—	—	—	
4–7 lb.	4 3	4 1½	—	—	
7–14 lb.	4 2	4 0½	3 11½	—	
14–28 lb.	4 1	3 11½	3 10½	3 10	
28 lb.–1 cwt. ..	4 0	3 10½	3 9½	3 9	3

Prices net one month.

BARIUM SULPHATE, B.P. (*x*-ray).—Mal quotations per lb. for lots of 28 lb.–1 cwt. (containers in brackets): 1s. 5½d. (1- 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14- 1s. 2d. (28-lb.).

BENZOIC ACID.—Available for essential p maceutical and medicinal purposes at f 2s. 6d. to 3s. per lb., according to quantity.

BISMUTH SALTS.—Makers' prices per lb. quantities of 8 lb.–28 lb. are as follows: bonate, 10s. 5d.; citrate, 12s. 9d.; nit cryst., 6s. 9d.; oxide, 14s. 7d.; salicylate, 1 subchloride, 14s. 3d.; subgallate, 13s.; nitrate, 9s.

BORAX.—Makers quote as follows: B.P., anulated, £39 10s. per ton; crystal, £40 10s.; wder, £41. Packed in one-cwt. bags, delivered rriage paid Great Britain, in one-ton lots d upwards. Commercial grades, £8 per ton s.

BROMIDES.—Makers' prices were given in tail in the *C. & D.*, March 20, p. 306.

CAFFEINE.—Details of makers' current price hedule were given in the *C. & D.*, March 13, 281.

CITRIC ACID.—Controlled prices are unanged. Details were given in the *C. & D.*, tober 24, 1942, p. 433.

COCAINE.—British makers' current wholesale ces were given last week (p. 359).

CODEINE.—ALKALOID remains at 38s. 3d. r oz., in 4-oz. lots; PHOSPHATE, in the same antity, 31s. 3d.

CREAM OF TARTAR.—As noted last week 359), British manufacturers have reduced eir price to 302s. per cwt., less 2½ per cent. count.

ETHERS (METHYLATED).—The following are kers' prices:—

ecific gravity and grade	Winchester quarts, per lb.	Not less than 6 w. qts., per lb.	Not less than 12 w. qts., per lb.	Drums and carboys, per lb.
	s. d.	s. d.	s. d.	s. d.
0	1 5½	1 4¾	1 4½	1 3½
5	1 5¾	1 5¼	1 4¾	1 3¾
0	1 5¾	1 5¼	1 4¾	1 3¾
5	1 7¾	1 7¼	1 6¼	1 5¾
5 triply rectified..	2 0¼	1 11¾	1 11¼	1 10¼
0	1 8¾	1 8¼	1 7¾	1 6¾
7	2 2¼	2 2¼	2 1¾	2 0¾
0 B.P., not r anæsthesia	1 10	1 9½	1 9	1 8

prices, usual terms. Special prices for quantities and tracts, subject to rise-and-fall clause. Prices for sthetic ethers unchanged.

GALLIC ACID.—Moderate quantities would worth from 7s. 9d. to 8s. per lb.

GLYCERIN.—Prices for small quantities are follows: 56-lb. tin, 99s.; 14-lb. tin, 105s. cwt., subject to 2½ per cent. discount, enty-eight days.

HEXAMINE.—One-cwt. lots of free-running stals would be worth about 2s. 3d. per lb.

HOMATROPINE.—Makers' prices per oz. are follows (prices per gram in brackets); KALOID, 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 6d. (4s.); HYDROCHLORIDE, HYDROBMIDE and SULPHATE, 75s.; 4 oz., 70s.; oz., 65s. (3s. 2d.).

ODINE PREPARATIONS.—Alterations in prices en in last week's issue (p. 359) are concerned h the slightly increased cost of packing into all containers; cost of the material itself nchanged.

MERCURY IODIDES.—Makers quote as follows ices per lb.): RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

METHYL SALICYLATE.—Makers' quotations are steady, as follows: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PHENOLPHTHALEIN.—Makers' prices remain steady at the following rates per lb.: Less than 7 lb., 4s. 6d.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

PILOCARPINE.—Following are makers' prices per oz.: Base, 1 oz., 27s.; 4 oz., 26s. 6d.; 25 oz., 26s.; hydrochloride, 1 oz., 21s. 3d.; 4 oz., 20s. 9d.; 25 oz., 20s. 3d.; nitrate, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

POTASSIUM NITRATE.—Prices have been advanced by 10s. per cwt. New scales are: Powder, B.P., 82s. 6d. per cwt.; crystals, B.P., 81s.; granular, 80s. Commercial, granular, 75s.; powder, 76s. Sal prunella, cake, 103s.; balls, large, 102s.; small, 135s.; pea size, 235s.

SALICYLIC ACID.—A new price schedule has been issued showing slightly increased prices for the small sizes:—

Quantity	In containers of 1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1–4 lb.	2 10	—	—	—	—
4–7 lb.	2 9	2 7½	—	—	—
7–14 lb.	2 8	2 6½	2 5½	—	—
14–28 lb.	2 7	2 5½	2 4½	2 4	—
28 lb.–1 cwt. ..	2 6	2 4½	2 3½	2 3	2 2½

Prices net one month.

SANTONIN.—Home trade prices have been advanced; new rates per kilo are as follows: 10 kilos and over, £61; not less than 5 kilos, £62; 2–4 kilos, £63; 1 kilo, £64; 500 grams, £65; 250 grams, £66; 100 grams, £67; less than 100 grams, £68. Carriage forward in United Kingdom.

SODIUM SALICYLATE.—Makers' slightly adjusted price schedule is as follows:—

Quantity	In containers of 1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1–4 lb.	3 3½	—	—	—	—
4–7 lb.	3 2½	3 1	—	—	—
7–14 lb.	3 1½	3 0	2 11	—	—
14–28 lb.	3 0½	2 11	2 10	2 9½	—
28 lb.–1 cwt. ..	2 11½	2 10	2 9	2 8½	2 8

Prices net one month.

STRYCHNINE SALTS.—Details of makers' current price schedule were given last week (p. 359).

TANNIC ACID.—In restricted supply at about 8s. to 8s. 3d. per lb., according to quantity.

TARTARIC ACID.—As noted last week (p. 359), British makers have reduced their price to 3s. 6½d. per lb., less 5 per cent. discount.

TERPINEOL.—Obtainable for medicinal use at from 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—Makers' prices steady: Ex clove oil or guaiacol, 5 cwt., 22s. 6d. per lb.; 1 cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.

Crude Drugs

AGAR.—Hardly ever mentioned on the market. Kobe No. 1 for bacteriological use would be at 65s. to 70s. per lb.

ALOES.—Spot price of Cape is unchanged at 67s. 6d. per cwt. No business appears to have been done in Curaçao.

ANTIMONY.—Supplies are available for essential requirements at unchanged prices. English minimum, 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, for the home trade, £100 per ton, delivered.

BALSAMS.—Spot supplies of *Canada* are small; price would be 10s. per lb. *Tolu*, in good demand but in small compass on spot, continues to be quoted at 10s. 3d. per lb. *Peru*, steady at 8s. 6d. per lb. *Copaiba*, unobtainable.

BELLADONNA.—Indian leaf, spot, 4s. 9d. to 5s. per lb., according to test. Indian root, 435s. to 475s. per cwt., according to test.

BENZOIN.—Business on a quiet level with prices as previously quoted.

BISMUTH METAL.—High-grade metal is steady at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—It is understood that some import licences have been granted, a factor which should ease the present supply position.

CAMPHOR.—Moderate demand for natural grades; prices are as follows: Chinese, B.P., spot, 11s. 6d. per lb.; crude, 92 per cent., 10s.; Japanese slabs, 12s. English synthetic may be had by approved buyers at 8s. per lb.

CARDAMOMS.—Quiet and without quotable change on the week. Aleppy seed, spot, 6s. 6d. per lb.; shipment, 6s. 9d., c.i.f.; Aleppy greens, spot, 5s. 6d.; shipment, 5s. 9d.; split seed, spot, 5s. to 5s. 3d. per lb.

CASCARA SAGRADA.—Good inquiry for bark but no supplies available.

CHILLIES.—Mombasa steady at the lower price of 100s. per cwt. noted last week; no other varieties are offered.

CLOVES.—Sellers on spot at the unchanged price of 1s. 5½d. per lb.; second grade, to arrive, 1s., c.i.f.

COCOA BUTTER.—Maximum price fixed by Ministry of Food Order is 1s. 5½d. per lb., ex factory or warehouse, except when sold under licence.

COCONUT (DESICCATED).—Maximum official price remains at 49s. per cwt.

DIGITALIS LEAVES.—Portuguese leaves steady on spot at 135s. per cwt.; English-grown leaves, 2s. 5d. to 2s. 6d. per lb. on spot.

DRAGON'S BLOOD.—Only dull Zanzibar may be had on spot; price would be £21 per

ELEMI.—Spot quotations for No. 1 gun at the rather higher figure of 300s. per noted last week.

ERGOT.—Rather more interest is being t in this item and sound material may be s what difficult to find. Spot prices range 4s. 9d. per lb. for wormy to 5s. 6d. per lb high-quality. Shipment: no licences.

GUM ACACIA.—Quiet conditions obtain, no price changes. Kordofan cleaned s spot, 95s. per cwt.; afloat, 75s., c.i.f.; ment, 65s. per cwt., c.i.f. Bleached gum w be available for shipment at 130s. per cwt.,

HENBANE.—Some East Indian low-tes material is available on spot at 250s. per cw

IPECACUANHA.—Firm, with a fair spot l ness passing. Some business is reported on spot in good-testing Matto Grosso at 21s per lb. B.P. Minas continues in request bu supplies are available; under B.P., spot, to 17s. 6d. per lb., according to seller. price of EXT. IPECAC. LIQ. is unchanged follows: Winchesters, B.P., 1932, under t 28s. 6d. per lb.; three and under six, six and under twelve, 27s. 6d.; twelve and 26s. B.P., 1914, under three, 26s. 6d.; t and under six, 26s.; six and under tw 25s. 6d.; twelve and over, 25s. per lb.; prices quoted are on a net basis.

JABORANDI.—Small supplies may be ha spot at 60s. per cwt.

JALAP.—Brazilian root, 16 per cent. r may be had on spot at 105s. per cwt., an per cent. resin at 90s.

KAMALA.—Small quantities of material y ing 5 per cent. ash may be purchased on at 2s. per lb.

LIQUORICE ROOT.—Supplies of Anato may be had on spot at 75s. per cwt.

MENTHOL.—Towards the end of last w considerable demand was received for Chi at 75s. per lb., but little seems to have b available at this figure.

MERCURY.—Controlled prices range f £68 10s. to £69 15s. per bottle for quantitie over 7 lb.

MYRRH.—Unchanged; Aden sorts may had on spot at £18 to £20 per cwt., accor to grade.

NUTMEGS.—Unchanged at the easier pr noted last week. West Indian, spot, wormy broken, 1s. 9d. per lb.; sound unassorted, 1s.

NUX VOMICA.—Cochin, washed and garb spot, 42s. 6d. per cwt., ex warehouse Glasg Cocanada, spot, 37s. 6d. per cwt., also ex w house Glasgow.

ORANGE PEEL.—Bitter quarters are obt able on spot at 3s. 3d. per lb.

PAPAIN.—Nominal on spot at 17s. 6d. per

PEPPERS.—Maximum prices of whole, picked over or cleaned, on sale to process are 1s. 4d. per lb. for white, and 1s. per lb. black, both duty paid.

ENTO.—Sellers on spot offer at 1s. 8d. .; shipment price is not quoted.

OPHYLLUM.—*Emodi* (15 per cent.), spot, er cwt.; lower-testing material would be er; shipment from India: no licences.

LLIUM SEED.—Indian is offered on spot at . per lb., ex store.

LLAIA BARK.—Crushed or cut quoted on it 115s. per cwt.; natural, afloat, 80s. vt., c.i.f.

JBARB.—In adequate supply. Good-y rough-round, spot, 7s. 9d. to 8s. per lb., holder.

ONIN.—Spot quoted at 7s. 6d. per lb., ex shipment, 6s. 6d., c.i.f.

DS.—Quiet, with the last-mentioned unchanged. CORIANDER.—Indian, 82s. er cwt. CUMIN.—Maltese, spot, 135s.; , 125s.; English, 150s. DILL.—Spot, l at 180s. FENNEL.—Indian, a little avail-t 100s. to 110s. FENUGREEK.—90s. MUS-—Controlled (see *C. & D.*, November 28, p. 564).

NA.—Again quiet, with no price changes. velly No. 1, 9d. to 10d per lb.; No. 2, 7½d.; No. 3, 5½d. to 6d. Alexandrian l, 1s. 3d. to 1s. 4d. Good hand-picked velly pods, 11d. to 1s. 2d.; ordinary 10d. to 11d.; manufacturing, 6d. to Hand-picked Alexandrian pods, 3s. 6d. according to quality.

LLAC.—No quotations are available.

ILL.—Portuguese may be obtained on t 95s. per cwt., and Indian at 75s.

OPHANTHUS.—Small business passing at prices. Kombé seed, 100 per cent., 10s. 6d. per lb. for small lots; fair-sized can be taken at lower prices.

GACANTH.—No quotable price changes occurred in the medium grades; business et. No. 1, white, £130 per cwt.; No. 2, £115; No. 3, white, £102; No. 4, white, pale leaf, £73; amber leaf, £65; dark , £50; brown leaf, £45; red-and-brown 38; red leaf, from £32; light hoggy, from woody and dark hoggy, £12.

MERIC.—Sound-quality Madras finger, 52s. 6d. per cwt.; wormy, 60s.

ERIAN ROOT.—Spot quotations for Indian eady at 105s. per cwt., ex store.

XES.—Steady. CARNAUBA.—Fatty grey halky grey, spot, both quoted lower at per cwt.; Primeira, 520s., nominal. .—Supplied only through the Association rchant Distributors of Beeswax.

ential and Expressed Oils

SE (STAR).—Demand good, but supplies lt to find. Spot, drums, if available, 54s. per lb.

.—Small supplies may be had on spot at ximately 12s. 6d. per lb.

S DE ROSE.—No change has been noted spot price of 47s. per lb., approximately.

CAJUPUT.—In restricted supply; spot, firm at about 17s. 6d. per lb.

CASTOR.—Controlled prices for bulk supplies are as follows: "Firsts," £72 per ton; "seconds," £70 per ton, naked ex works.

CEDARWOOD.—English may be had on spot at about 16s. per lb.

CINNAMON LEAF.—Small supplies may be had on spot at around 15s. per lb.

CITRONELLA.—Demand remains good. Java, spot, from 22s. to 24s. per lb.; Ceylon, 19s. to 20s.

CLOVE.—English distillers' prices are unchanged at 14s. per lb. for ordinary quantities.

COCONUT.—Prices of bulk supplies are controlled, as follows: Crude, £36 12s. 6d. per ton; refined deodorised, £40; refined hardened deodorised, £44; all naked ex works.

COTTONSEED.—Refined deodorised is officially priced at £49 per ton, naked ex works.

CROTON.—Quoted at 9s. 6d. per lb. on spot.

GERANIUM.—Business would have to be negotiated on a basic price of about 80s. per lb. for any available supplies. British makers can supply artificial substitutes at lower prices.

GINGERGRASS.—Small supplies may be had on spot at around 25s. per lb.

GROUNDNUT.—No change has occurred in controlled prices at £48 to £54 per ton, naked ex works, according to grade.

LAVENDER.—Spot price of any good-quality oil would be in the region of 90s. per lb.

LEMONGRASS.—Spot, steady at around 16s. per lb.

LINSEED.—Controlled price of £46 10s. per ton for large bulk quantities of crude, naked ex works, is unchanged. Distributors' prices for ordinary quantities at rather higher rates.

PALMAROSA.—In small compass on spot at about 32s. 6d. per lb.

PATCHOULI.—Any good-quality oil on spot would be worth about 75s. per lb.

PENNYROYAL.—May be had in small compass on spot at approximately 40s. per lb.

PEPPERMINT.—Some inquiry is being received but supplies are difficult to find at less than about 90s. per lb. for Chinese oil.

PETITGRAIN.—Any available small spot supplies would fetch about 23s. per lb.

RAPESEED.—Controlled price of crude remains at £54 per ton, naked ex works.

ROSEMARY.—In limited supply on spot at about 16s. per lb.

SASSAFRAS.—Any available small supplies on spot would fetch about 19s. per lb.

SPEARMINT.—Price of any available spot supplies would be in the region of 40s. per lb.

THYME.—High-quality, on spot, is valued at about 25s. per lb., but lower-phenol-containing oils would be cheaper.

YLANG-YLANG.—Good-grade may be had on spot at around 85s. per lb.

TRADE MARKS

(*From "The Trade Marks Journal," March* 24)

"SANFLAK"; for medicated lavatory paper (5). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 621,779 (Associated).

"JASON"; for sanitary towels, pads and tampons, surgical dressings, bandaging materials, and for antiseptic and disinfectant preparations for human use (5). By Mary I. Downing, 306 Lees Road, Oldham. 621,936.

"PAXOPAINE"; for pharmaceutical preparations and substances (5). By The Dubarry Perfumery Co., Ltd., Goldstone Laboratories, Hove Park Villas, Hove, Sussex. 622,027.

"PORAX"; for porcelain or earthenware laboratory goods, etc. (9). By The Worcester Royal Porcelain Co., Ltd., Severn Street, Worcester. 621,392.

"GLOBEX"; for combs, excluding metal combs (21). By Combex, Ltd., Kent House, Market Place, London, W.1. 621,631.

(*From "The Trade Marks Journal," March* 31)

"PHEENOMENT"; for industrial chemicals, etc. (1). By Phenoglaze, Ltd., 466 London Road, Croydon, Surrey. 621,792 (Associated).

"PREVOK"; for preservatives against rust (2). By Croda, Ltd., Rawcliffe Bridge, Goole, Yorks. 621,946.

"SANORA"; for preparations for cleaning artificial dentures (3). By The Dubarry Perfumery Co., Ltd., Hove Park Villas, Hove, Sussex. 619,309.

"MOSYNE"; for soaps, perfumes, hair lotions, brilliantine, dentifrices, cosmetic ingredients for baths, lipstick, talcum powder, face powder and cream (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 621,799.

"SULPHAMEZATHINE"; for pharmaceutical organic substances being sulphanilamide compounds for human use (5). "PIRAVLON"; for preparations and medicines for veterinary purposes (5). By Imperial Chemical (Pharmaceuticals), Ltd., Wexham Road, Slough, Bucks. 618,991; 619, 665 (Associated).

"DOK"; for insecticides (5). By Paton Calvert & Co., Ltd., Binns Road, Old Swan, Liverpool, 13. 620,854.

Design of ancient oil lamp; for all goods (5) except dental stoppings and the like. By E. H. Butler & Son, Ltd., 6 Vestry Street, Leicester. 620,967.

"EPISEPS"; for medicated preparations in solid, liquid and powder form for treatment of influenza, coughs, colds and infectious diseases (5). "PERSONEX"; for pharmaceutical substances and preparations (5). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 621,571; 622,043 (Associated).

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"FAYOL"; for pharmaceutical substances and preparations (5). By S. Taylor, 85 Preston New Road, Southport. 622,205.

"TERISTA"; for articles wholly or partly of rubber or synthetic rubber for medical, surgical and veterinary purposes (10); for rubber and synthetic rubber goods (17); for rubberised textile fabrics and goods (24). By J. G. Ingram & Son, Ltd., Chapman Road, Hackney Wick, London, E.9. 621,882–83–84 (all Associated).

"ENERSEM"; for all goods (30). By Energen Foods Co., Ltd., Bridge Road, Willesden, London, N.W.10. 622,127 (Associated).

"KOOLEM"; for fruit squashes (32). By Idris Ltd., 120 Pratt Street, London, N.W.1. 619,500 (Associated).

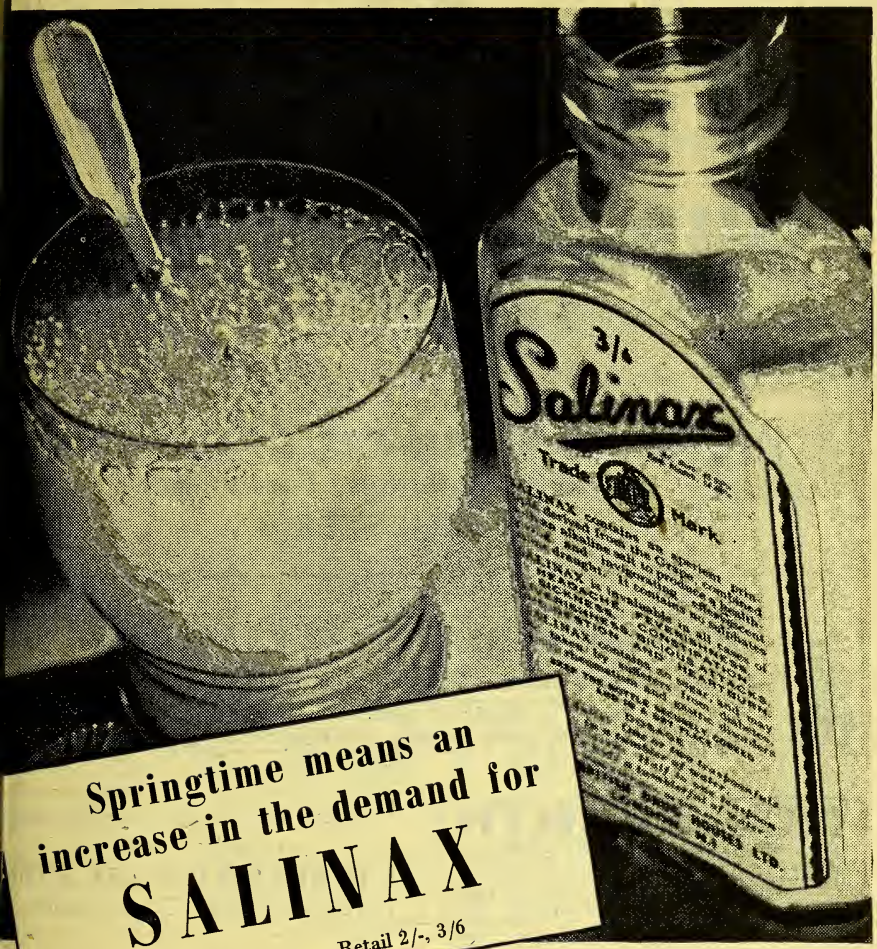
NEW BOOKS

The Ministry of Health has issued a informative booklet entitled "How to Keep Well in War-time" (H.M. Stationery Office, 3d.). The publication indicates simple safeguards, common-sense rules, and the good habits which should be part of every one's daily life in order to keep fit.

War-time Information for Pharmacists—$7\frac{1}{4}$ in. by 5 in. Pp. 64. 1s. The Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1. Now in its second edition this booklet has been enlarged by nine pages of new matter and brought up to date to February 28.

Potter's Cyclopaedia of Botanical Drugs and Preparations.—R. C. Wren, F.L.S. $7\frac{1}{4}$ in. by 5 in. Pp. 417. 6s. Potter & Clarke, Ltd., 60 Artillery Lane, London, E.1. Few chemists would like to be without a copy of this well-known book which is now in its fifth edition. In his preface to the new volume, which follows its predecessors in general style, Mr. R. W. Wren points out that the science of botanical medicine has advanced considerably since the time of its late author necessitating careful revision.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.



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APRIL 10 1943

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